INTRODUCING

INFERNEX®

THE HOTTEST THING IN HIGH TEMP PROTECTION.

After decades as the industry leader with Stove Bright®, we're taking high heat protective coatings to the next level. Our new INFERNEX® collection not only meets and exceeds global industry standards, but it solves your exterior adhesion and ultraviolet challenges while providing long-term corrosion resistance. INFERNEX® is specially formulated to help put your mind at ease. While turning up the heat on the competition.

HIGH HEAT | POWDER | LIQUID

TO LEARN MORE ABOUT HOW INFERNEX® CAN SOLVE YOUR HIGH HEAT COATING CHALLENGES, CONTACT US TODAY.

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Email: infernex@forrestpaint.com
FORRESTPAINT.COM/INFERNEX

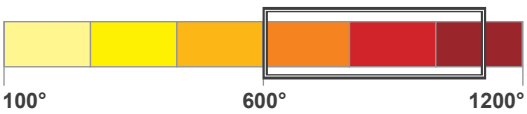
FORREST Technical Coatings

INFERNEX®
PROVEN HIGH HEAT PERFORMANCE.

Engineers and equipment manufacturers have trusted Forrest Technical Coatings for years as a world leader in high performance powder coatings. Our latest comprehensive collection, INFERNEX®, is specially formulated to solve your exterior exposure challenges by providing a cost-efficient application that delivers on appearance and corrosion resistance with low environmental impact.

Forrest Technical Coatings is the respected global manufacturer and distributor of the high temperature Stove Bright® brand since 1978. We bring the same innovative chemical engineering and experience to the INFERNEX® product line.

TO LEARN MORE ABOUT HOW INFERNEX® POWDER COATINGS CAN SOLVE YOUR HIGH HEAT CHALLENGES, CONTACT US TODAY.



WITHSTANDS TEMPERATURES UP TO 1100°F (593°C)

FORREST Technical Coatings

FORRESTPAINT.COM/INFERNEX

INFERNEX® POWDER COATINGS

APPLICATIONS

Specifically formulated for optimum performance in harsh environments such as exhaust systems, industrial silencers, engine parts and other high temperature applications.

PERFORMANCE

INFERNEX® passes a full battery of performance tests establishing superior high-heat standards for ferrous and non-ferrous substrates. These products deliver reliable corrosion resistance combating the harshest weathering conditions. Their physical properties span flat and satin gloss, smooth to textured finishes, and remarkable hardness. Count on INFERNEX® powder coatings to meet temperature resistant needs ranging from 600° F to 1100° F (315° C – 593° C).

For optimal performance characteristics, powder coatings must be applied over properly-prepared ferrous and non-ferrous substrates.

INFERNEX® BENEFITS

- Excellent over-bake stability
- Excellent corrosion resistance
- Very good weathering properties
- Smooth & textured finishes
- Higher transfer efficiency (Reclaim)

THE INFERNEX® LINE

INFERNEX® PS-1000 | (1PC-654-2199)

Originally developed for exhausts, PS-1000 has earned its reputation for decades as the workhorse for protecting exhaust systems, engines, and silencers. It's recognized by its black smooth finish and ability to withstand temperatures up to 1000° F (537° C). It also features excellent application properties, film quality, and superior over-bake stability when applied to properly-prepared ferrous and non-ferrous substrates.

Also available: INFERNEX® PS-1000 Silver | (1PC-654-0199)

INFERNEX® PSS-1000 | (1PC-653-2900)

INFERNEX® PSS-1000 powder coating was formulated to produce a smooth satin black finish to showcase designer components. This powder is specifically designed for protective applications where exterior durability is required. It applies well to ferrous and non-ferrous substrates with an outstanding film quality and tolerates temperatures up to 1000° F (537° C).

INFERNEX® PT-1000 | (1PC-654-2184)

INFERNEX® PT-1000 was developed to produce a slightly textured black coating with great pre- and post-burn adhesion. This satin powder coating performs well at a continuous 800° F (426° C) and offers a balance of function and appearance. Performance testing of an Hr 1000° F burn resulted in very good adhesion. **Performance testing of one hour at 1000° F resulted in very good adhesion.**

INFERNEX® PS-800 | (1PC-654-2502)

Widely used successfully in Europe for many years as a muffler coating, INFERNEX® PS-800 has a beautiful satin jet black and smooth sheen with outstanding hardness. It performs at a peak temperature of 800° F (426° C) for exterior exposures.

INFERNEX® PS-600 | (1PC-654-2186)

PS-600 was engineered for salt fog resistance at a peak temperature of 600° F (315° C). For medium temperature projects, this powder has a nice smooth finish in a flat black when applied to properly-prepared ferrous and non-ferrous substrates. It combines great aesthetics with corrosion resistance.

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FORREST Technical Coatings

INFERNEX® PS-1000 | (IPC-654-2199)

Originally developed for exhausts, PS-1000 has earned its reputation for decades as the workhorse for protecting exhaust systems, engines, and silencers. It's recognized by its black smooth finish and ability to withstand temperatures up to 1000° F (537° C). It also features excellent application properties, film quality, and superior over-bake stability when applied to properly-prepared ferrous and non-ferrous substrates.

INFERNEX® PS-1000 SPECIFICATIONS (Black) | (1PC-654-2199)			
Peak Temp	1000° F (537° C)	Continuous	880° F (471° C)
Adhesion (1 Hr) Peak Burn ASTM D3359	5B	Color Change (8 Hrs)	PASS
240 Hrs Salt Spray ASTM B117/D1654	PASS	Gloss @ 60° ASTM D523-14	12-18
Accelerated Weathering (QUV A) ASTM D4587-11	dE 0.11 300 Hrs	Pencil Hardness ASTM 3363	2H
Impact Resistance ASTM D2794-90	60 in-lbs	Cure Cycle: 20 minutes @ 450° F (232° C)	

Also available:

INFERNEX® PS-1000 SPECIFICATIONS (Silver) | (1PC-654-0199)			
Peak Temp:	1100° F (593° C)	Continuous	880° F (471° C)
Adhesion (1 Hr) Peak Burn ASTM D3359	4B	Color Change (8 Hrs)	PASS
240 Hrs Salt Spray ASTM B117/D1654	PASS	Gloss @ 60° ASTM D523-14	12-18
Accelerated Weathering (QUV A) ASTM D4587-11	dE 0.13 300 Hrs	Pencil Hardness ASTM 3363	>H
Impact Resistance ASTM D2794-90	10 in-lbs	Cure Cycle: 20 minutes @ 450° F (232° C)	

It is always recommended the user conduct tests to determine the suitability of the product for the intended use on appropriate substrates.

APPLICATIONS

Specifically formulated for optimum performance under harsh conditions for:

- Exhaust systems
- Industrial silencers
- Engine parts
- Other high temperature applications

INFERNEX® BENEFITS

- Excellent over-bake stability
- Excellent corrosion resistance
- Very good weathering properties
- Smooth & textured finishes
- Higher transfer efficiency (Reclaim)

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FORREST Technical Coatings

PRODUCT DESCRIPTION

A decorative powder coating that withstands high temperatures for general use on ferrous and non-ferrous metal. This product is also sold as 1PC-654-2199.

Benefits

High temperature resistance
Excellent application properties and film quality
Excellent over-bake stability

APPLICATION

Pre-cleaning:

Clean all surfaces to be coated in accordance with SSPC-SP-1, Solvent Cleaning prior to additional surface preparation or coating application. Surface must be clean, dry and free of any dirt, dust, oil, and all other visible contaminates that could potentially interfere with adhesion of the coating.

Surface preparation:

The overall performance of the coating system is largely dependent on the nature of the substrate and the type and quality of the surface preparation. Surfaces to receive coating may be prepared using liquid pretreatment designed for high temperature service. For optimal results, we recommend abrasive blast cleaning in accordance with SSPC SP-10/NACE #2, ISO SA 2.5, anchor profile 0.75 to 1.5 mils (19.1 to 38.1 microns). Before using phosphate pretreatments, contact your supplier for temperature limitations. Substrates also have structural physical temperature limits that must be observed.

Powder Application Conditions

Cure Schedule	Temperature	Time
	450°F (232°C)	20 minutes

Film Build	Minimum Thickness	Maximum Thickness
	1.5 mils (38.1 µm)	2.5 mils (63.5 µm)

*Other curing schedules may be used upon technical approval.
*Cure schedule is based on substrate temperature.

Equipment

Electrostatic application to room temperature substrate is recommended. Suitable for Corona charging equipment, reduced voltages can improve coating film thickness uniformity. This product may be applied to warm substrate for increased film thickness.

APPEARANCE

Color: Black
Gloss: Satin
Finish: Smooth

If the significant surface is too small or unsuitable for the gloss to be measured with the glossmeter, the gloss should be compared visually with the reference sample.

POWDER PROPERTIES

Property	Result
Specific Gravity (S.G)	2.1 +/- 0.05
Theoretical Coverage at 1 mil (25.4 µm)	91.9 ft²/lb (18.8 m²/kg)

Storage
Keep in a dry cool area. Maximum temperature of 77°F (25 °C) and maximum relative humidity 60%. If stored longer than 12 months a quality test is recommended.

CAUTION
Adequate health and safety precautions should be observed during storage, handling, use and curing periods.
READ MATERIAL SAFETY DATA SHEETS BEFORE USING THIS PRODUCT

PERFORMANCE

The technical data provided below are typical for this product when applied as follows:

Substrate: Cold Rolled Steel

Film thickness: 1.5-2.5 mils (38.1 - 63.5 µm)

Typical values when tested.

Property	Standard	Result
Gloss @ 60°	ASTM D523-14	12 - 18
Adhesion	ASTM D3359	5B
Pencil Hardness	ASTM D3363	2H
Impact Resistance	ASTM D2794-90	60 in-lbs
Salt Spray	ASTM B117/D1654	240 + hours

Accelerated Weathering	ASTM D4587-11	70% gloss retention 300 Hrs (QUV A)

Coating Post Burn Performance Results

Test	Temperature Tested	Time	Result	Method
Color after burn (continuous)	880°F (471°C)	8 hours	Pass	Muffle Furnace
Adhesion after burn (peak)	1000°F (537°C)	1 hour	4B	Muffle Furnace

DISCLAIMER

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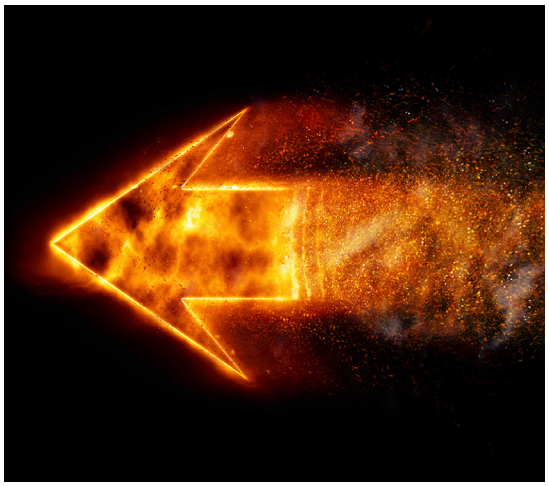
INFERNEX® PSS-1000 | (IPC-653-2900)

INFERNEX® PSS-1000 powder coating was formulated to produce a smooth satin black finish to showcase designer components. This powder is specifically designed for protective applications where exterior durability is required. It applies well to ferrous and non-ferrous substrates with an outstanding film quality and tolerates temperatures up to 1000° F (537° C).



INFERNEX® PSS-1000	(1PC-653-2900)		
Peak Temp	1000° F (537° C)	Continuous	880° F (471° C)
Adhesion (1 Hr) Peak Burn ASTM D3359	4B	Color Change (8 Hrs)	PASS
240 Hrs Salt Spray ASTM B117/D1654	PASS	Pencil Hardness ASTM 3363	H
Accelerated Weathering (QUV A) ASTM D4587-11	dE 0.44 300 Hrs	Impact Resistance ASTM D2794-90	40 in-lbs
Gloss @ 60° ASTM D523-14	25-35	Cure Cycle: 20 minutes @ 450° F (232° C)	

It is always recommended the user conduct tests to determine the suitability of the product for the intended use on appropriate substrates.

APPLICATIONS

Specifically formulated for optimum performance under harsh conditions for:

- Exhaust systems
- Industrial silencers
- Engine parts
- Other high temperature applications

INFERNEX® BENEFITS

- Excellent over-bake stability
- Excellent corrosion resistance
- Very good weathering properties
- Smooth & textured finishes
- Higher transfer efficiency (Reclaim)

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FORREST Technical Coatings

PRODUCT DESCRIPTION

A decorative powder coating that withstands high temperatures for general use on ferrous and non-ferrous metal. This product is also sold as 1PC-653-2900.

Benefits

High temperature resistance
Excellent application properties and film quality
Excellent over-bake stability
Excellent application properties and film quality, thin film extends coverage per pound

APPLICATION

Pre-cleaning:

Clean all surfaces to be coated in accordance with SSPC-SP-1, Solvent Cleaning prior to additional surface preparation or coating application. Surface must be clean, dry and free of any dirt, dust, oil, and all other visible contaminates that could potentially interfere with adhesion of the coating.

Surface preparation:

The overall performance of the coating system is largely dependent on the nature of the substrate and the type and quality of the surface preparation. Surfaces to receive coating may be prepared using liquid pretreatment designed for high temperature service. For optimal results, we recommend abrasive blast cleaning in accordance with SSPC SP-10/NACE #2, ISO SA 2.5, anchor profile 0.75 to 1.5 mils (19.1 to 38.1 microns). Before using phosphate pretreatments, contact your supplier for temperature limitations. Substrates also have structural physical temperature limits that must be observed.

Powder Application Conditions

Cure Schedule	Temperature	Time
	450 °F (232 °C)	20 minutes

Film Build	Minimum Thickness	Maximum Thickness
	1.5 mils (38.1 µm)	2.5 mils (63.5 µm)

*Other curing schedules may be used upon technical approval.
*Cure schedule is based on substrate temperature.

Equipment

Electrostatic application to room temperature substrate is recommended. Suitable for Corona charging equipment, reduced voltages can improve coating film thickness uniformity. This product may be applied to warm substrate for increased film thickness.

APPEARANCE

Color: Black
Gloss: Semi Gloss
Finish: Smooth

If the significant surface is too small or unsuitable for the gloss to be measured with the glossmeter, the gloss should be compared visually with the reference sample.

POWDER PROPERTIES

Property	Result
Specific Gravity (S.G)	2.01 +/- 0.05
Theoretical Coverage at 1 mil (25.4 µm)	96 ft²/lb (19.66 m²/kg)

Storage
Keep in a dry cool area. Maximum temperature of 77°F (25 °C) and maximum relative humidity 60%. If stored longer than 12 months a quality test is recommended.

CAUTION
Adequate health and safety precautions should be observed during storage, handling, use and curing periods.
READ MATERIAL SAFETY DATA SHEETS BEFORE USING THIS PRODUCT

PERFORMANCE

The technical data provided below are typical for this product when applied as follows:

Substrate: Cold Rolled Steel

Film thickness: 1.5 – 2.5 mils (38.1 – 63.5 µm)

Typical values when tested.

Property	Standard	Result
Gloss @ 60°	ASTM D523-14	25 - 35
Adhesion	ASTM D3359	4B
Impact Resistance	ASTM D2794-90	>40 in-lbs
Pencil Hardness	ASTM D3363	H

Salt Spray	ASTM B117/D1654	240 Hours
Accelerated Weathering	ASTM D4587-11	ΔE= 0.44 300 Hours (QUV A)

Coating Post Burn Performance Results

Test	Temperature Tested	Time	Result	Method
Color after burn	880 °F (471 °C)	8 Hours	Pass	Muffle Furnace
Adhesion after burn	1000 °F (538 °C)	1 Hour	4B	Muffle Furnace

DISCLAIMER

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INFERNEX® PT-1000 | (IPC-654-2184)

INFERNEX® PT-1000 was developed to produce a slightly textured black coating with great pre- and post-burn adhesion. This satin powder coating performs well at a continuous 800° F (426° C) and offers a balance of function and appearance. Performance testing of one hour at 1000° F resulted in very good adhesion.

INFERNEX® PT-1000	(IPC-654-2184)		
Peak Temp	1000° F (537° C)	Continuous	800° F (426° C)
Adhesion (1 Hr) Peak Burn ASTM D3359	4B	Color Change (24 Hrs)	PASS
500 Hrs Salt Spray ASTM B117/D1654	PASS	Pencil Hardness ASTM 3363	>2H
Accelerated Weathering (QUV A) ASTM D4587-11	dE 0.43 300 Hrs	Impact Resistance ASTM D2794-90	60 in-lbs
Gloss @ 60° ASTM D523-14	15-25	Cure Cycle: 20 minutes @ 400° F (204° C)	

It is always recommended the user conduct tests to determine the suitability of the product for the intended use on appropriate substrates.

APPLICATIONS

Specifically formulated for optimum performance under harsh conditions for:

- Exhaust systems
- Industrial silencers
- Engine parts
- Other high temperature applications

INFERNEX® BENEFITS

- Excellent over-bake stability
- Excellent corrosion resistance
- Very good weathering properties
- Smooth & textured finishes
- Higher transfer efficiency (Reclaim)

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FORREST Technical Coatings

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INFERNEX® PT-1000 Technical Data Sheet

PRODUCT DESCRIPTION

A decorative powder coating that withstands high temperatures for general use on ferrous and non-ferrous metal. This product is also sold as 1PC-654-2184.

Benefits

Coating has good UV resistance for outdoor use

Thin film extends coverage per pound

Excellent over-bake stability

Designed to be more compatible and to reduce cross contamination with other coatings

*We recommend performing tests in house to assure compatibility with your current coatings.

APPLICATION

Pre-cleaning:

Clean all surfaces to be coated in accordance with SSPC-SP-1, Solvent Cleaning prior to additional surface preparation or coating application. Surface must be clean, dry and free of any dirt, dust, oil, and all other visible contaminates that could potentially interfere with adhesion of the coating.

Surface preparation:

The overall performance of the coating system is largely dependent on the nature of the substrate and the type and quality of the surface preparation. Surfaces to receive coating may be prepared using liquid pretreatment designed for high temperature service. For optimal results, we recommend abrasive blast cleaning in accordance with SSPC SP-10/NACE #2, ISO SA 2.5, anchor profile 0.75 to 1.5 mils (19.1 to 38.1 microns). Before using phosphate pretreatments, contact your supplier for temperature limitations. Substrates also have structural physical temperature limits that must be observed.

Powder Application Conditions

Cure Schedule	Temperature	Time
	400 °F (204 °C)	20 minutes

Film Build	Minimum Thickness	Maximum Thickness
	1.5 mils (38.1 µm)	2.5 mils (63.5 µm)

*Other curing schedules may be used upon technical approval.

*Cure schedule is based on substrate temperature.

Equipment

Electrostatic application to room temperature substrate is recommended. Suitable for Corona charging equipment, reduced voltages can improve coating film thickness uniformity. This product may be applied to warm substrate for increased film thickness.

FORREST Technical Coatings

INFERNEX® PT-1000 Technical Data Sheet

APPEARANCE

Color: Black
Gloss: Satin
Finish: Textured

If the significant surface is too small or unsuitable for the gloss to be measured with the gloss meter, the gloss should be compared visually with the reference sample.

POWDER PROPERTIES

Property	Result
Specific Gravity (S.G)	1.48 +/- 0.05
Theoretical Coverage at 1 mil (25.4 µm)	130 ft.²/lb (26.7 m²/kg)

Storage
Keep in a dry cool area. Maximum temperature of 77°F (25 °C) and maximum relative humidity 60%. If stored longer than 12 months a quality test is recommended.

CAUTION
Adequate health and safety precautions should be observed during storage, handling, use and curing periods.
READ MATERIAL SAFETY DATA SHEETS BEFORE USING THIS PRODUCT

PERFORMANCE

The technical data provided below are typical for this product when applied as follows:

Substrate: Cold Rolled Steel

Film thickness: 1.5 – 2.5 mils (38.1 – 63.5 µm)

Typical values when tested.

Property	Standard	Result
Gloss @ 60°	ASTM D523-14	15 - 25
Adhesion	ASTM D3359	4B
Impact Resistance	ASTM D2794-90	60 in-lbs
Pencil Hardness	ASTM D3363	>2H
Salt Spray *	ASTM B117/D1654	336 hours
Accelerated Weathering	ASTM D4587-11	ΔE= 0.43 300 Hours (QUV A)

Coating Post Burn Performance Results

Test	Temperature Tested	Time	Result	Method
Color after burn	800 °F (427 °C)	24 hours	Pass	Muffle Furnace
Adhesion after burn	1000 °F (538 °C)	1 hour	4B	Muffle Furnace

**Due to the composition and surface structure required to make a textured finish, salt fog performance can vary. The stated Salt Spray Hours is a conservative estimate after several tests and results may vary depending on application techniques.*

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INFERNEX® PS-800 | (IPC-654-2502)

Widely used successfully in Europe for many years as a muffler coating, INFERNEX® PS-800 has a beautiful satin jet black and smooth sheen with outstanding hardness. It performs at a peak temperature of 800° F (426° C) for exterior exposures.

INFERNEX® PS-800	(IPC-654-2502)		
Peak Temp	800° F (426° C)	Continuous	800° F (426° C)
Adhesion (8 Hrs)	4B	Color Change (8 Hrs)	PASS
240 Hrs Salt Spray ASTM B117/D1654	PASS	Pencil Hardness ASTM 3363	>2H
Accelerated Weathering (QUV A) ASTM D4587-11	dE 0.39 300 Hrs	Impact Resistance ASTM D2794-90	40 in-lbs
Gloss @ 60° ASTM D523-14	25-35	Cure Cycle: 10 minutes @	450° F (232° C)

It is always recommended the user conduct tests to determine the suitability of the product for the intended use on appropriate substrates.

APPLICATIONS

Specifically formulated for optimum performance under harsh conditions for:

- Exhaust systems
- Industrial silencers
- Engine parts
- Other high temperature applications

INFERNEX® BENEFITS

- Excellent over-bake stability
- Excellent corrosion resistance
- Very good weathering properties
- Smooth & textured finishes
- Higher transfer efficiency (Reclaim)

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INFERNEX® PS-800 Technical Data Sheet

PRODUCT DESCRIPTION

A decorative powder coating that withstands high temperatures for general use on ferrous and non-ferrous metal. This product is also sold as 1PC-654-2502.

Benefits

Coating has good UV resistance for outdoor use
Thin film extends coverage per pound
Excellent over-bake stability
Designed to be more compatible and to reduce cross contamination with other coatings

*We recommend performing tests in house to assure compatibility with your current coatings.

APPLICATION

Pre-cleaning:

Clean all surfaces to be coated in accordance with SSPC-SP-1, Solvent Cleaning prior to additional surface preparation or coating application. Surface must be clean, dry and free of any dirt, dust, oil, and all other visible contaminates that could potentially interfere with adhesion of the coating.

Surface preparation:

The overall performance of the coating system is largely dependent on the nature of the substrate and the type and quality of the surface preparation. Surfaces to receive coating may be prepared using liquid pretreatment designed for high temperature service. For optimal results, we recommend abrasive blast cleaning in accordance with SSPC SP-10/NACE #2, ISO SA 2.5, anchor profile 0.75 to 1.5 mils (19.1 to 38.1 microns). Before using phosphate pretreatments, contact your supplier for temperature limitations. Substrates also have structural physical temperature limits that must be observed.

Powder Application Conditions

Cure Schedule	Temperature	Time
	450 °F (232°C)	10 minutes

Film Build	Minimum Thickness	Maximum Thickness
	1.5 mils (38.1µm)	2.5 mils (63.5µm)

*Other curing schedules may be used upon technical approval.
*Cure schedule is based on substrate temperature.

Equipment

Electrostatic application to room temperature substrate is recommended. Suitable for Corona charging equipment, reduced voltages can improve coating film thickness uniformity. This product may be applied to warm substrate for increased film thickness.

APPEARANCE

Color: Black
Gloss: Semi-Gloss
Finish: Smooth

If the significant surface is too small or unsuitable for the gloss to be measured with the gloss meter, the gloss should be compared visually with the reference sample.

POWDER PROPERTIES

Property	Result
Specific Gravity (S.G)	1.77 +/- 0.05
Theoretical Coverage at 1 mil (25.4 µm)	109 ft.²/lb (22.3 m²/kg)

Storage
Keep in a dry cool area. Maximum temperature of 77°F (25 °C) and maximum relative humidity 60%. If stored longer than 12 months a quality test is recommended.

CAUTION
Adequate health and safety precautions should be observed during storage, handling, use and curing periods.
READ MATERIAL SAFETY DATA SHEETS BEFORE USING THIS PRODUCT

PERFORMANCE

The technical data provided below are typical for this product when applied as follows:

Substrate: Cold Rolled Steel

Film thickness: 2.0 mils (50.8 µm)

Typical values when tested.

Property	Standard	Result
Gloss @ 60°	ASTM D523-14	25 - 35
Adhesion	ASTM D3359	5B
Impact Resistance	ASTM D2794-90	40 in-lbs
Pencil Hardness	ASTM D3363	2H
Salt Spray	ASTM B117/D1654	300 Hours

Accelerated Weathering	ASTM D4587-11 Automotive setting	ΔE= 0.45 300 Hours (QUV A)

Coating Post Burn Performance Results

Test	Temperature Tested	Time	Result	Method
Color after burn	800 °F (427 °C)	8 hours	Pass	Muffle Furnace
Adhesion after burn	800 °F (427 °C)	8 hours	4B	Muffle Furnace

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INFERNEX® PS-600 | (IPC-654-2186)

PS-600 was engineered for salt fog resistance at a peak temperature of 600° F (315° C). For medium temperature projects, this powder has a nice smooth finish in a flat black when applied to properly prepared ferrous and non-ferrous substrates. It combines great aesthetics with corrosion resistance.

INFERNEX® PS-600	(IPC-654-2186)		
Peak Temp	600° F (315° C)	Continuous	600° F (315° C)
Adhesion (24 Hrs)	4B	Color Change (24 Hrs)	PASS
500 Hrs Salt Spray ASTM B117/D1654	PASS	Pencil Hardness ASTM 3363	>H
Gloss @ 60° ASTM D523-14	5-10	Impact Resistance ASTM D2794-90	40 in-lbs
Cure Cycle: 20 minutes @ 450° F (232° C)			

It is always recommended the user conduct tests to determine the suitability of the product for the intended use on appropriate substrates.

APPLICATIONS

Specifically formulated for optimum performance under harsh conditions for:

- Exhaust systems
- Industrial silencers
- Engine parts
- Other high temperature applications

INFERNEX® BENEFITS

- Excellent over-bake stability
- Excellent corrosion resistance
- Very good weathering properties
- Smooth & textured finishes
- Higher transfer efficiency (Reclaim)

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FORREST Technical Coatings

FORREST Technical Coatings

INFERNEX® PS-600 Technical Data Sheet

PRODUCT DESCRIPTION

A decorative powder coating that withstands high temperatures for general use on ferrous and non-ferrous metal. This product was designed as a one-coat finish for applications requiring an extremely smooth finish and high temperature resistance. This product is also sold as 1PC-654-2186.

Benefits

Excellent application properties and film quality

Excellent over-bake stability

Designed to be smoother than normal heat resistant coatings

APPLICATION

Pre-cleaning:

Clean all surfaces to be coated in accordance with SSPC-SP-1, Solvent Cleaning prior to additional surface preparation or coating application. Surface must be clean, dry and free of any dirt, dust, oil, and all other visible contaminates that could potentially interfere with adhesion of the coating.

Surface preparation:

The overall performance of the coating system is largely dependent on the nature of the substrate and the type and quality of the surface preparation. Surfaces to receive coating may be prepared using liquid pretreatment designed for high temperature service. For optimal results, we recommend abrasive blast cleaning in accordance with SSPC SP-10/NACE #2, ISO SA 2.5, anchor profile 0.75 to 1.5 mils (19.1 to 38.1 microns). Before using phosphate pretreatments, contact your supplier for temperature limitations. Substrates also have structural physical temperature limits that must be observed.

Powder Application Conditions

Cure Schedule	Temperature	Time
	450 °F (232 °C)	20 minutes

Film Build	Minimum Thickness	Maximum Thickness
	2.0 mils (50.8 µm)	3.0 mils (76.2 µm)

*Other curing schedules may be used upon technical approval.

Equipment

Electrostatic application to room temperature substrate is recommended. Suitable for Corona charging equipment, reduced voltages can improve coating film thickness uniformity. This product may be applied to warm substrate for increased film thickness.

FORREST Technical Coatings

INFERNEX® PS-600 Technical Data Sheet

APPEARANCE

Color: Black
Gloss: Flat
Finish Smooth

If the test surface is too small or unsuitable for measuring gloss using a glossmeter, the gloss should be compared visually with a reference sample.

POWDER PROPERTIES

Property	Result
Specific Gravity (S.G)	1.85 +/- 0.05
Theoretical Coverage at 1 mil (25.4 µm)	104.3 ft²/ lb (21.4m²/ kg)

Storage
Keep in a dry cool area. Maximum temperature of 77°F (25 °C) and maximum relative humidity 60%. If stored longer than 12 months a quality test is recommended.

CAUTION
Adequate health and safety precautions should be observed during storage, handling, use and curing periods.
READ MATERIAL SAFETY DATA SHEETS BEFORE USING THIS PRODUCT

PERFORMANCE

The technical data provided below are typical for this product when applied as follows:

Substrate: Cold Rolled Steel (Q-panels)

Film thickness: 2.0 – 3.0 mils (50.8 – 76.2µm)

Typical values when tested.

Property	Standard	Result
Gloss @ 60°	ASTM D523-14	5 - 10
Adhesion	ASTM D3359	4B
Impact Resistance	ASTM D2794-90	40 in/lbs
Pencil Hardness	ASTM D3363	>H
Salt Spray	ASTM B117/D1654	500 Hours

Coating Post Burn Performance Results

Test	Temperature Tested	Time	Result	Method
Color after burn	600F (316°C)	24hrs	Acceptable	Muffle Furnace
Adhesion after burn	600F (316°C)	24hrs	4B	Muffle Furnace

DISCLAIMER

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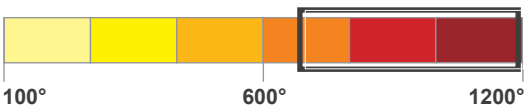
INFERNEX®
PROVEN HIGH HEAT PERFORMANCE.

Engineers and equipment manufacturers have trusted Forrest Technical Coatings for decades as a world leader in high performance liquid coatings. Our latest comprehensive collection, INFERNEX®, is specially formulated to solve your exterior exposure challenges by providing a cost-efficient application that delivers on appearance and corrosion resistance with low environmental impact.

Forrest Technical Coatings has been the respected global manufacturer and distributor of the high temperature Stove Bright® brand since 1978. We bring the same innovative chemical engineering and experience to the INFERNEX® product line.

TO LEARN MORE ABOUT HOW INFERNEX® LIQUID COATINGS CAN SOLVE YOUR HIGH HEAT CHALLENGES, CONTACT US TODAY.



WITHSTANDS TEMPERATURES UP TO 1200°F (648°C)

FORREST Technical Coatings

FORRESTPAINT.COM/INFERNEX

INFERNEX® LIQUID COATINGS

APPLICATIONS

Specifically formulated for optimum performance in harsh environments such as exhaust systems, industrial silencers, engine parts and other high temperature applications.

PERFORMANCE

INFERNEX® liquid coatings pass a full battery of performance tests to establish superior high-heat standards for ferrous and non-ferrous substrates. These products deliver reliable corrosion resistance to combat the harshest weathering conditions. Their physical properties include rapid curing, excellent durability, and excellent adhesion. Count on INFERNEX® liquid coatings to meet temperature resistant needs ranging from 600° F to 1200° F (315° C – 648° C).

For optimal performance characteristics, liquid coatings must be applied over properly-prepared ferrous and non-ferrous substrates.

INFERNEX® BENEFITS

- Rapid cure
- Excellent over-bake stability
- Excellent corrosion resistance
- Direct to metal applications

THE INFERNEX® LINE

INFERNEX® L-1200 | (62H290)

Engineered for high temperature resistance, INFERNEX® L-1200 has proven itself a reliable coating for more than 30 years due to its unique blend of pigments in a silicone polymer resin. Designed for rapid curing and good film integrity, this product also provides good corrosion protection to various substrates.

INFERNEX® L-1100 | (54H204)

INFERNEX® L-1100 was originally engineered for barbeque protection with additional animal and vegetable fats resistance. Its unique epoxy formula performs at a peak temperature of 1100° F (593° C). It's become a top seller in the INFERNEX® line-up with a durable black satin finish with excellent mar and corrosion resistance.

INFERNEX® LZ-1000 | (251H SERIES) *251H201 CHARCOAL & 251H219 BLACK*

INFERNEX® LZ-1000 is a zinc-loaded formulation which means no primer necessary! This coating has excellent color and gloss retention. For superior corrosion resistance on exterior surfaces especially at temperatures up to 1000° F (538° C).

INFERNEX® L-800 | (62H241)

This INFERNEX® liquid was formulated for rapid curing and corrosion resistance with very good exterior durability. It has a unique balance of excellent pre- and post-burn adhesion and color retention up to 800° F (427° C). Its flat black finish applies smoothly to ferrous and non-ferrous substrates.

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INFERNEX® L-1200 | (62H290)

Originally engineered for high temperature resistance, INFERNEX® L-1200 has proven itself a reliable coating for more than 30 years due to its unique blend of pigments in a silicone polymer resin. Designed for rapid curing and good film integrity, this product also provides good corrosion protection to various substrates.

INFERNEX® L-1200 | (62H290)			
Peak Temp	1200° F (648° C)	Continuous	1100° F (593° C)
Adhesion (1 Hr) ASTM D3359	4B	Color Change (8 Hrs)	PASS
240 Hrs Salt Spray ASTM B117/D1654	PASS	Pencil Hardness ASTM 3363	H
Accelerated Weathering (QUV A) ASTM D4587-11	100% Gloss Retention 300 Hrs	Gloss @ 60° ASTM D523-14	2-5

It is always recommended the user conduct tests to determine the suitability of the product for the intended use on appropriate substrates.

APPLICATIONS

Specifically formulated for optimum performance under harsh conditions for:

- Exhaust systems
- Industrial silencers
- Engine parts
- Other high temperature applications

INFERNEX® BENEFITS

- Rapid cure
- Excellent over-bake stability
- Excellent corrosion resistance
- Direct to metal applications

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FORREST Technical Coatings

FORREST Technical Coatings

INFERNEX® L-1200 Technical Data Sheet

PRODUCT DESCRIPTION

A modified silicone heat resistant coating designed for rapid curing and good working properties over ferrous and non-ferrous metal surfaces. This product is also sold as 62H290.

Color: Black
Sheen: Satin

Benefits
Heat Resistant
Exterior Durable

PRODUCT AND PERFORMANCE DATA

Product Data

Property	Result
Volume solids (%)	13.04
Weight solids (%)	22.98
VOC	749.62 g/l 6.26 lb/gal
Recommended dry film thickness	0.8 to 1.2 mils 20.3 to 30.5 µm
Theoretical Coverage @ 1.0 mil (25.4 µm)	213.9 ft²/ gal 5.3 m²/L
Viscosity (#4 Ford)	36 – 40 seconds
Dry to handle	30 minutes

Performance Data

Test Method	Standard	Result
Gloss @ 60°	ASTM D523-14	2 – 5
Pencil Hardness	ASTM D3363	H
Salt Fog	ASTM B117/D1654	240 hours
Accelerated Weathering	ASTM D4587-11	100 % gloss retention 300 hours QUV A

Coating Post Burn Performance Results

Test	Temperature Tested	Time	Result	Method
Color after burn	1100°F (593°C)	8 hours	Pass	Muffle Furnace
Adhesion after burn	1200°F (648°C)	1 hour	4B	Muffle Furnace

SURFACE PREPARATION

Pre-cleaning:
Clean all surfaces to be coated in accordance with SSPC-SP-1, Solvent Cleaning prior to additional surface preparation or coating application. Surface must be clean, dry and free of any dirt, dust, oil, and all other visible contaminates.

Surface Preparation

Recommended	SSPC SP 6 (commercial blast cleaning)
Minimum	SSPC SP 2 or SP 3 (hand or power tool cleaning)

MIXING AND THINNING

Mix Directions
Stir thoroughly before and occasionally during use.

Thinning Directions
Product packaged ready to apply. If needed thin up to 10% maximum with Toluene.

APPLICATION

Application Parameters

Relative Humidity	50 % ±10
Minimum Temperature	50°F (10°C)
Maximum Temperature	80°F (27°C)

***** We recommend allowing product to air dry for 4 hours before putting into service.

Force Cure Schedule

Temperature	200°F (93°C)
Time	20 minutes

Application methods
The product can be applied by

Spray
Airless or air assist spray: 0.011 – 0.015 orifice size (in)

Conventional spray: 1.0 – 1.8 orifice size (mm)

*Aerosol touch-up available upon request. Contact your Technical Sales Representative for additional information.

PACKAGING AND STORAGE

Packaging
1 – Gallon
5 – Gallon
Drums

Storage
The product must be stored in accordance with local and national regulations. Keep the containers in a dry, cool, well ventilated space and away from sources of heat and ignition. Containers must be kept tightly closed. Handle with care.

Shelf life at 73°F (23 °C) = 12 months *

*When kept in recommended storage condition and original unopened containers.

CAUTION
Adequate health and safety precautions should be observed during storage, handling, use and curing periods.
READ SAFETY DATA SHEETS BEFORE USING THIS PRODUCT

DISCLAIMER

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INFERNEX® L-1100 | (54H204)

INFERNEX® L-1100 was originally engineered for barbeque protection with additional animal and vegetable fats resistance. Its unique epoxy formula performs at a peak temperature of 1100° F (593° C). It's become a top seller in the INFERNEX® line-up with a durable black satin finish with excellent mar and corrosion resistance.

INFERNEX® L-1100 | (54H204)			
Peak Temp	1100° F (593° C)	Continuous	1100° F (593° C)
Adhesion (8 Hr) ASTM D3359	5B	Color Change (8 Hrs)	PASS
240 Hrs Salt Spray ASTM B117/D1654	PASS	Pencil Hardness ASTM 3363	H
Gloss @ 60° ASTM D523-14	5-10		

It is always recommended the user conduct tests to determine the suitability of the product for the intended use on appropriate substrates.

APPLICATIONS

Specifically formulated for optimum performance under harsh conditions for:

- Exhaust systems
- Industrial silencers
- Engine parts
- Other high temperature applications

INFERNEX® BENEFITS

- Rapid cure
- Excellent over-bake stability
- Excellent corrosion resistance
- Direct to metal applications

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INFERNEX® L-1100 Technical Data Sheet

PRODUCT DESCRIPTION

A modified silicone heat resistant coating designed for rapid curing and good working properties over ferrous and non-ferrous metal surfaces. This product is also sold as 54H204.

Color: Black
Sheen: Flat

Benefits
Rapid Cure
High heat resistance
Resistant to animal and vegetable fats

PHYSICAL PROPERTIES

Product Data

Property	Result
Volume solids (%)	18.3
Weight solids (%)	26.6
VOC	716 g/l 5.97 lb/gal
Recommended dry film thickness	0.8 to 1.2 mils 20.3 to 30.5 µm
Theoretical Coverage @ 1.0 mil (25.4 µm)	300 ft²/ gal 7.36 m²/L
Viscosity (#3 Zahn Cup)	27 – 30 seconds
Dry to handle	30 minutes

Performance Data

Test Method	Standard	Result
Gloss @ 60°	ASTM D523-14	5-10
Pencil Hardness	ASTM D3363	H
Salt Fog	ASTM B117/D1654	240 hours
Accelerated Weathering	ASTM D4587-11	100 % gloss retention 300 hours QUV A

APPEARANCE

Coating Post Burn Performance Results

Test	Temperature Tested	Time	Result	Method
Color after burn	1100°F (593°C)	8 hours	Pass	Muffle Furnace
Adhesion after burn	1100°F (593°C)	8 hours	5B	Muffle Furnace

SURFACE PREPARATION

Pre-cleaning:
Clean all surfaces to be coated in accordance with SSPC-SP-1, Solvent Cleaning prior to additional surface preparation or coating application. Surface must be clean, dry and free of any dirt, dust, oil, and all other visible contaminates.

Surface Preparation

Recommended	SSPC SP 6 (commercial blast cleaning)
Minimum	SSPC SP 2 or SP 3 (hand or power tool cleaning)

MIXING AND THINNING

Mix Directions
Stir thoroughly before and occasionally during use.

Thinning Directions
Product packaged ready to apply. If needed thin up to 10% maximum with Xylene or Toluene.

APPLICATION

Application Parameters

Relative Humidity	50 % ± 10
Minimum Temperature	50°F (10°C)
Maximum Temperature	80°F (27°C)

***** We recommend allowing product to air dry for 4 hours before putting into service.

Force Cure Schedule

Temperature	200°F (93°C)
Time	20 minutes

Application methods
The product can be applied by

Spray
Airless or air assist spray: 0.011 – 0.015 orifice size (in)

Conventional spray: 1.0 – 1.8 orifice size (mm)

*Aerosol touch-up available upon request. Contact your Technical Sales Representative for additional information.

PACKAGING AND STORAGE

Packaging
1 – Gallon
5 – Gallon
Drums

Storage
The product must be stored in accordance with local and national regulations. Keep the containers in a dry, cool, well ventilated space and away from sources of heat and ignition. Containers must be kept tightly closed. Handle with care.

Shelf life at 73°F (23 °C) = 12 months *

*When kept in recommended storage condition and original unopened containers.

CAUTION
Adequate health and safety precautions should be observed during storage, handling, use and curing periods.
READ SAFETY DATA SHEETS BEFORE USING THIS PRODUCT

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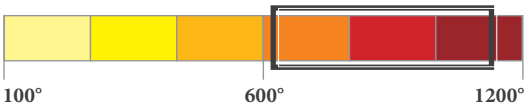
INTRODUCING

INFERNEX® LB-1100 HIGH TEMP BAKING ENAMEL

Introducing INFERNEX® LB-1100 High Temp Baking Enamel qualified for use on exhaust system components by an international agricultural equipment manufacturer. INFERNEX® LB-1100 offers breakthrough performance in long-term durability and corrosion resistance for machine exhaust systems in exterior working environments. Qualified for use on cold-rolled and hot-rolled, aluminized, and stainless steel substrates with pre-thermal and post-thermal shock standards that meet or exceed industry standards.

Forrest Technical Coatings has been the respected global manufacturer and distributor of the high temperature Stove Bright® brand since 1978. We bring the same innovative chemical engineering and experience to the INFERNEX® product line.

TO LEARN MORE ABOUT HOW INFERNEX® LIQUID COATINGS CAN SOLVE YOUR HIGH HEAT CHALLENGES, CONTACT US TODAY.



WITHSTANDS TEMPERATURES UP TO 1100°F (593°C)

FORREST Technical Coatings

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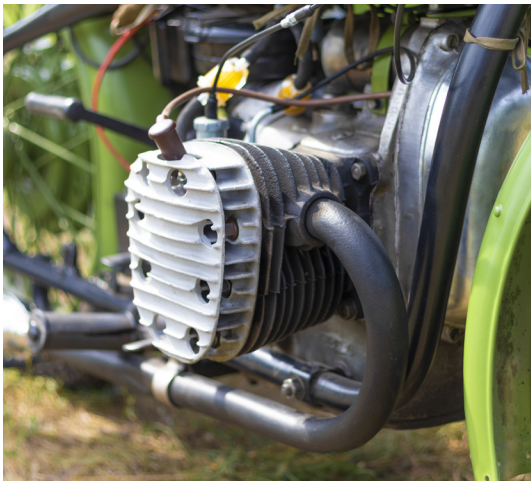
INFERNEX® LB-1100 HIGH TEMP BAKING ENAMEL

INFERNEX® LB-1100 is a high-solids silicone-modified alkyd baking enamel with extreme corrosion resistance, flexibility, and superior adhesion in high heat applications. Maintains a low-gloss black appearance, chemical resistance and mechanical durability up to an operating temperature of 1100°F (593°C). Use direct-to-metal or with INFERNEX® LP-1100 as part of a two-part corrosion protection system.



INFERNEX® LB-1100 | LOW-GLOSS BLACK			
Peak Temp	1100° F (593° C)	Continuous	1100° F (593° C)
Adhesion (8 Hrs) ASTM D3359	4B+	Color Change (8 Hrs)	PASS
24 Hr Post-Thermal Salt Spray ASTM B117/D1654	PASS	Pencil Hardness ASTM D3363	H+
Gloss @ 60° ASTM D523-14	1-5	Solvent Resistance ASTM D4752	100+ MEK rub

It is always recommended the user conduct tests to determine the suitability of the product for the intended use on appropriate substrates.

Use cases for INFERNEX® LB-1100

- Exhaust systems and engine parts of agricultural, construction, and recreation equipment
- Industrial silencers
- Other high temperature applications
- Application on hot-rolled, cold-rolled, aluminized, and stainless steel

Benefits of INFERNEX® LB-1100

- Specified with an international agricultural equipment manufacturer
- Excellent pre-thermal and post-thermal properties
- Excellent corrosion resistance
- Aerosol touch-up available

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INFERNEX® LB-1100 Technical Data Sheet

PRODUCT DESCRIPTION

A Silicone heat resistant coating designed for superior performance over ferrous and non-ferrous metal surfaces. Intended to be used as a direct to metal finish or topcoat over one of FORREST's high temperature primers, including Infernex® LP-1100 (55P201) for maximum performance.

Model number: LB-1100
Part Number: 55B290
Color: Black
Sheen: Satin

Benefits

- Excellent pre-thermal and post-thermal properties
- Excellent corrosion resistance
- Meets JDM F14 Class 2
- Aerosol touch-up available; p/n 1A51H290

PRODUCT AND PERFORMANCE DATA

Product Data

Property	Result
Volume solids (%)	48 ± 2
Weight solids (%)	64 ± 2
VOC	462 g/l ± 2
Theoretical Coverage at 1.0 mil (25.4 µm)	770 ft²/ gal
Recommended dry film thickness	1.5 – 2 mils
Recommended wet film thickness	3 – 4 mils
Dry to handle	24 hours

Performance Data (Pre thermal properties, after 435°F cure)

Test Method	Standard	Result
Gloss @ 60°	ASTM D523-14	1 – 5
Adhesion	ASTM D3359	4B+
Pencil Hardness	ASTM D3363	H +
Salt Fog	ASTM B117/D1654	Pass 24 hours
Solvent Resistance	ASTM D4752	100+ MEK rub

*all testing performed over **INFERNEX® LP-1100**

SURFACE PREPARATION

Pre-cleaning:
Clean all surfaces to be coated in accordance with SSPC-SP-1, Solvent Cleaning prior to additional surface preparation or coating application. Surface must be clean, dry and free of any dirt, dust, oil, and all other visible contaminates.

Surface Preparation

Recommended	SSPC SP 6 (commercial blast cleaning)
Minimum	SSPC SP 1 (solvent cleaning)

Suitable Primers: FORREST's LP-1100 (55P201) or 54H050

MIXING AND THINNING

Mix Directions
Stir thoroughly before and occasionally during use.

Thinning Directions
Product packaged ready to apply. If needed thin up to 10% maximum with Xylene or Toluene.

APPLICATION

Application Parameters

Relative Humidity	30 – 65%
Minimum Temperature	50°F (10°C)
Maximum Temperature	80°F (27°C)

Force Cure Schedule

Temperature	435°F (204°C)
Time	45 minutes

Application methods
The product can be applied by

Spray
Airless/Air Assist spray: 0.009” - 0.013” orifice size

Conventional/HVLP spray: 1.3 mm – 1.8 mm

*Aerosol touch-up p/n 1A51H290. Contact your Technical Sales Representative for additional information.

STORAGE

The product must be stored in accordance with local and national regulations. Keep the containers in a dry, cool, well ventilated space and away from sources of heat and ignition. Containers must be kept tightly closed. Handle with care.

Shelf life at 73°F (23 °C) = minimum of 12 months *

*When kept in recommended storage condition and original unopened containers.

CAUTION
Adequate health and safety precautions should be observed during storage, handling, use and curing periods.
READ SAFETY DATA SHEETS BEFORE USING THIS PRODUCT

DISCLAIMER

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FORREST Technical Coatings

INFERNEX® LP-1100 Primer Technical Data Sheet

PRODUCT DESCRIPTION

A Silicone heat resistant primer designed for good working properties over ferrous and non-ferrous metal surfaces to improve adhesion and rust resistance. Intended to be top coated by one of FORREST's high temperature finish coatings, including Infernex® LB-1100 (55B290) for maximum performance.

Model number: LP-1100
Part Number: 55P201

Color: Charcoal
Sheen: Flat

Benefits

- Excellent pre-thermal and post-thermal properties
- Excellent corrosion resistance

PRODUCT AND PERFORMANCE DATA

Product Data

Property	Result
Volume solids (%)	32 ± 2
Weight solids (%)	50 ± 2
VOC	582 g/l ± 2
Theoretical Coverage at 1.0 mil (25.4 µm)	513 ft²/ gal
Recommended dry film thickness	1.5 – 2 mils
Recommended wet film thickness	4.5 – 6.25 mils
Dry to handle	60 minutes

Performance Data (Pre thermal properties, after 435°F cure)

Test Method	Standard	Result
Gloss @ 60°	ASTM D523-14	0 – 3
Adhesion	ASTM D3359	4B
Pencil Hardness	ASTM D3363	F +
Salt Fog	ASTM B117/D1654	Pass 96 hours
Solvent Resistance	ASTM D4752	100+ MEK rub

Applicable substrates: Cold Rolled Steel, Hot Rolled Steel, Aluminized, and 304 Stainless Steel.

SURFACE PREPARATION

Pre-cleaning:
Clean all surfaces to be coated in accordance with SSPC-SP-1, Solvent Cleaning prior to additional surface preparation or coating application. Surface must be clean, dry and free of any dirt, dust, oil, and all other visible contaminates.

Surface Preparation

Recommended	SSPC SP 6 (commercial blast cleaning)
Minimum	SSPC SP 1 (solvent cleaning)

MIXING AND THINNING

Mix Directions
Stir thoroughly before and occasionally during use.

Thinning Directions
Product packaged ready to apply. If needed thin up to 10% maximum with Xylene or Toluene.

APPLICATION

Application Parameters

Relative Humidity	30 – 65%
Minimum Temperature	50°F (10°C)
Maximum Temperature	80°F (27°C)

***** We recommend allowing product to air dry for 24 hours before topcoating, unless force cured

Force Cure Schedule

Temperature	400°F (204°C)
Time	30 minutes

Application methods
The product can be applied by

Spray
Airless/Air Assist spray: 0.009” - 0.013” orifice size

Conventional/HVLP spray: 1.3 mm – 1.8 mm

STORAGE

The product must be stored in accordance with local and national regulations. Keep the containers in a dry, cool, well ventilated space and away from sources of heat and ignition. Containers must be kept tightly closed. Handle with care.

Shelf life at 73°F (23 °C) = minimum of 12 months *

*When kept in recommended storage condition and original unopened containers.

CAUTION
Adequate health and safety precautions should be observed during storage, handling, use and curing periods.
READ SAFETY DATA SHEETS BEFORE USING THIS PRODUCT

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INFERNEX® LZ-1000 | (251H SERIES)

INFERNEX® LZ-1000 is a zinc-loaded formulation which means no primer necessary! This coating has excellent color and gloss retention. For superior corrosion resistance on exterior surfaces especially at temperatures up to 1000° F (538° C).

INFERNEX® LZ-1000 | (251H SERIES) *(251H201 Charcoal & 251H219 Black)*			
Peak Temp	1000° F (538° C)	Continuous	1100° F (593° C)
Adhesion (8 Hrs)	5B	Color Change (8 Hrs)	PASS
240 Hrs Salt Spray ASTM B117/D1654	PASS	Pencil Hardness ASTM 3363	H
Gloss @ 60° ASTM D523-14	2-7		

It is always recommended the user conduct tests to determine the suitability of the product for the intended use on appropriate substrates.

APPLICATIONS

Specifically formulated for optimum performance under harsh conditions for:

- Exhaust systems
- Industrial silencers
- Engine parts
- Other high temperature applications

INFERNEX® BENEFITS

- Rapid cure
- Excellent over-bake stability
- Excellent corrosion resistance
- Direct to metal applications

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INFERNEX® LZ-1000 Technical Data Sheet

PRODUCT DESCRIPTION

A Silicone/Zinc high heat resistant coating designed for application on ferrous and properly prepared non-ferrous metals with exterior exposure. This product is also sold as 251H219 and 251H201.

Color: Black and Charcoal
Sheen: Flat

Benefits
Heat Resistant
Superior Coverage
Exterior Corrosion Resistance
Excellent durability

PRODUCT AND PERFORMANCE DATA

Product Data

Property	Result
Volume solids (%)	29 - 33
Weight solids (%)	50 - 55
VOC	420 g/l 3.5 lb/gal
Recommended dry film thickness	2 - 3 mils 50.8 – 76.2 µm
Theoretical Coverage @ 1.0 mil (25.4 µm)	508.4 ft²/ gal 12.5 m²/L
Viscosity (#3 Zahn Cup)	24 - 26 seconds
Dry to handle	30 minutes

Performance Data

Test Method	Standard	Result
Gloss @ 60°	ASTM D523-14	2 – 5
Pencil Hardness	ASTM D3363	H
Salt Fog	ASTM B117/D1654	240 hours
Accelerated Weathering	ASTM D4587-11	100 % gloss retention 300 hours QUV A

Coating Post Burn Performance Results

Test	Temperature Tested	Time	Result	Method
Color after burn	1100°F (593°C)	8 hours	Pass	Muffle Furnace
Adhesion after burn	1200°F (648°C)	1 hour	4B	Muffle Furnace

SURFACE PREPARATION

Pre-cleaning:
Clean all surfaces to be coated in accordance with SSPC-SP-1, Solvent Cleaning prior to additional surface preparation or coating application. Surface must be clean, dry and free of any dirt, dust, oil, and all other visible contaminates.

Surface Preparation

Recommended	SSPC SP 5 (white metal blast cleaning)
Minimum	SSPC SP 6 (commercial blast cleaning)

- Blasting should attain a profile of 0.5 – 0.75 mils

MIXING AND THINNING

Mix Directions
Mechanically mix the product for 10-15 minutes before using and occasionally during use, as the zinc in the coating will sink to the bottom of the pail.

Thinning Directions
Product packaged ready to apply. If needed thin up to 10% maximum with Acetone.

APPLICATION

Apply only to sandblasted steel substrate.
Apply coating within 8 hours of sandblasting or before surface rust begins to occur

Application Parameters

Relative Humidity	50 % ±10
Minimum Temperature	50°F
Maximum Temperature	80°F

* We recommend allowing product to air dry for 4 hours before putting into service.

Force Cure Schedule

Temperature	400°F (204°C)	450°F (232°C)
Time	30 minutes	10 minutes

Application methods
The product can be applied by

Spray
Airless or air assist spray: 0.009” - 0.013” orifice size

HVLP/Conventional spray: 1.0 mm – 1.8 mm

*Aerosol touch-up available upon request. Contact your Technical Sales Representative for additional information.

STORAGE

Storage
The product must be stored in accordance with local and national regulations. Keep the containers in a dry, cool, well ventilated space and away from sources of heat and ignition. Containers must be kept tightly closed. Handle with care.

Shelf life at 73°F (23 °C) = 12 months *

*When kept in recommended storage condition and original unopened containers.

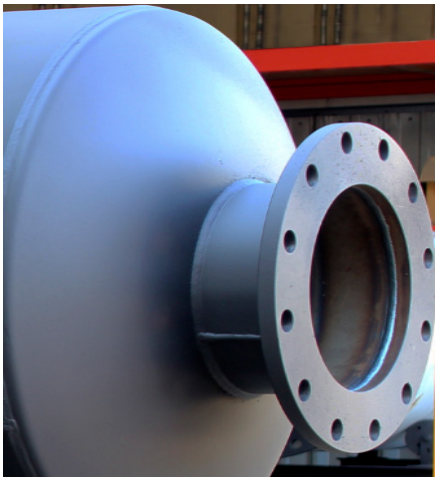
CAUTION
Adequate health and safety precautions should be observed during storage, handling, use and curing periods.
READ SAFETY DATA SHEETS BEFORE USING THIS PRODUCT

DISCLAIMER

The technical data and suggestions for use in this product data sheet are currently correct to the best of our knowledge, but are subject to change without notice. Because application and conditions vary, and are beyond our control, we are not responsible for results obtained in using this product, even when used as suggested. The user should conduct tests to determine the suitability of the product for the intended use under then existing conditions. Our liability for breach of warranty, strict liability in tort, negligence or otherwise is limited exclusively to replacement of the product or refund of its price. Under no circumstances are we liable for incidental or consequential damages.

INFERNEX® L-800 | (62H241)

This INFERNEX® liquid was formulated for rapid curing and corrosion resistance with very good exterior durability. It has a unique balance of excellent pre- and post-burn adhesion and color retention up to 800° F (426° C). Its flat black finish applies smoothly to ferrous and non-ferrous substrates.



INFERNEX® L-800 | (62H241)			
Peak Temp	800° F (426° C)	Continuous	800° F (426° C)
Adhesion (1 Hr)	5B	Color Change (8 Hrs)	PASS
125 Hr Salt Spray ASTM B117/D1654	PASS	Pencil Hardness ASTM 3363	H
Accelerated Weathering (QUV A) ASTM D4587-11	60% Gloss Retention 300 Hrs	Gloss @ 60°	4-6

It is always recommended the user conduct tests to determine the suitability of the product for the intended use on appropriate substrates.

APPLICATIONS

Specifically formulated for optimum performance under harsh conditions for:

- Exhaust systems
- Industrial silencers
- Engine parts
- Other high temperature applications

INFERNEX® BENEFITS

- Rapid cure
- Excellent over-bake stability
- Excellent corrosion resistance
- Direct to metal applications

1011 McKinley Street, Eugene, OR 97402
Phone: 800-537-7201
Email: infernex@forrestpaint.com
FORRESTPAINT.COM/INFERNEX

FORREST Technical Coatings

FORREST Technical Coatings

INFERNEX® L-800 Technical Data Sheet

PRODUCT DESCRIPTION

A modified silicone heat resistant coating designed for rapid curing and good working properties over ferrous and non-ferrous metal surfaces. This product is also sold as 62H241.

Color: Black
Sheen: Flat

Benefits
Heat Resistant
Rapid Cure
Exterior Durable

PRODUCT AND PERFORMANCE DATA

Product Data

Property	Result
Volume solids (%)	20.64
Weight solids (%)	33.39
VOC	680.84 g/l 5.68 lb/gal
Recommended dry film thickness	0.8 to 1.2 mils 20.3 to 30.5 µm
Theoretical Coverage @ 1.0 mil (25.4 µm)	338.5 ft²/ gal 8.3 m²/L
Viscosity (#4 Ford)	36 – 40 seconds
Dry to handle	30 minutes

Performance Data

Test Method	Standard	Result
Gloss @ 60°	ASTM D523-14	4 – 6
Pencil Hardness	ASTM D3363	H
Salt Fog	ASTM B117/D1654	240 hours
Accelerated Weathering	ASTM D4587-11	60 % gloss retention 300 hours QUV A

Coating Post Burn Performance Results

Test	Temperature Tested	Time	Result	Method
Color after burn	800°F (426°C)	8 Hours	Pass	Muffle Furnace
Adhesion after burn	800°F (426°C)	1 Hour	5B	Muffle Furnace

SURFACE PREPARATION

Pre-cleaning:
Clean all surfaces to be coated in accordance with SSPC-SP-1, Solvent Cleaning prior to additional surface preparation or coating application. Surface must be clean, dry and free of any dirt, dust, oil, and all other visible contaminates.

Surface Preparation

Recommended	SSPC SP 6 (commercial blast cleaning)
Minimum	SSPC SP 2 or SP 3 (hand or power tool cleaning)

MIXING AND THINNING

Mix Directions
Stir thoroughly before and occasionally during use.

Thinning Directions
Product packaged ready to apply. If needed thin up to 10% maximum with Xylene or Toluene.

APPLICATION

Application Parameters

Relative Humidity	50 %
Minimum Temperature	50°F (10°C)
Maximum Temperature	80°F (27°C)

* We recommend allowing product to air dry for 4 hours before putting into service.

Force Cure Schedule

Temperature	200°F (93°C)
Time	20 minutes

Application methods
The product can be applied by

Spray
Airless or air assist spray: 0.011 – 0.015 orifice size (in)

Conventional spray: 1.0 – 1.8 orifice size (mm)

*Aerosol touch-up available upon request. Contact your Technical Sales Representative for additional information.

PACKAGING AND STORAGE

Packaging
1 – Gallon
5 – Gallon
Drums

Storage
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*When kept in recommended storage condition and original unopened containers.

CAUTION
Adequate health and safety precautions should be observed during storage, handling, use and curing periods.
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