

TECHHEAT 3148

One-component finish paint based on modified silicone, black, resistant to temperatures up to 600°C. Recommended only for application directly on carbon steel. Product free of heavy metals and with non-stick properties after curing.

RECOMMENDED USES

Suitable for painting dies, molds, chimneys, barbecue grills, fireplace hoods, ovens (outside), space heaters, furnaces, boilers, heat exchangers, pipes or other equipment that operate at temperatures between 150°C and 600°C.

PRODUCT CHARACTERISTICS

Color:	Black
Finish:	Bright
Weigh solid:	62% ± 3
Volume solid:	48% ± 2
VOC:	520 g/L
Density:	1,07 g/cm ³ (valor aproximado)
Flash point:	23 °C
Shelf life:	24 months

APPLICATIONS DATA

Spreading rate per coat:	Minimum	Maximum
	Wet – 42 µm	63 µm
	Dry – 20 µm	30 µm

Theoretical coverage:	24,00 m ² /L to 20 µm
	16,00 m ² /L to 30 µm

Reducer:	TechSolv 9200 - Dilute up to 25% by volume. Check environmental conditions first and application method
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Packaging:	3,6 L, 20 L or 200 L
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Applications methods:	Airless Spray, Conventional Spray, Brush and Roller
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DRYING TIME

Temperature	25° C
To handle	8 – 24 Hours



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To touch 2 Hours

To recoat 8 – 24 Hours

Final 30 Minutes at 150 °C

Considerations: if the maximum limit indicated for repainting is exceeded, it will be necessary to sand the surface. Relative humidity condition: 55 to 80%.

SURFACE PREPARATIONS

Every surface to be painted must be clean, dry and free from contaminants, such as: oils, salts, greases, fats, dust, etc.

Wash with high pressure fresh water (HPFW), as appropriate, and remove all oil or grease, soluble salts and any other contaminants, in accordance with the SSPC-SP1 solvent cleaning method.

Carbon steel with lamination scale: cleaning must be done by abrasive blasting at least to almost white metal, visual standard Sa 2 ½ of ISO 8501-1.

New works and paintings in general: we recommend painting on surfaces sandblasted to Sa 2 grade according to SSPC SP10 or SSPC-SP5 respectively. ISO 8501-1 visual standard.

Assess the surface after blasting, observing the presence of surface defects revealed after treatment, adopting appropriate practices to minimize defects through grinding or filling. A roughness profile of 10 to 15 micrometers is recommended.

On aged paint, sand superficially and remove loose particles.

Note: The average height of the roughness profile should be between 1/4 to 1/3 of the total thickness of the painting scheme or at most up to 2/3 of the thickness of the background paint.

Rusted carbon steel, grade C: cleaning with mechanical tool Standard SSPC-SP3 visual standard St 3 Standard ISO 8501-1.

Note: If the maximum interval indicated for the application of the subsequent finishing coat is exceeded, manual / mechanical sanding using sandpaper to break the shine is necessary. This procedure is necessary to obtain adhesion between the layers.

APPLICATIONS METHOD

The product is supplied in a single packaging. Homogenize the package contents by means of mechanical or pneumatic agitation. Ensure that no sediment is trapped at the bottom of the package.

Airless Spray:

Use Airless..... 60:1

Fluid pressure.....1800 – 2000

Hose 3/8” inner diameter

Nozzle.....0,015” to 0,019”

Conventional Spray

Gun..... JGA 502/3 Devilbiss

Fluid Nozzle EX

Air cover.....704

Atomization Pressure 60 - 65 psi

Pressure in the tank.....10 to 20 psi

Essas informações representam o melhor de nosso conhecimento à época de sua publicação. Lembramos que o bom resultado final da aplicação dos produtos depende de fatores que fogem ao nosso controle e que dizem respeito a preparação da superfície e conhecimentos técnicos do aplicador. A empresa reserva-se o direito de alterar essas especificações sem aviso prévio.

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SAFETY PRECAUTIONS

Before handling this product, it is essential to carefully read all the information contained in its chemical safety information sheet (MSDS), available on our website or request directly from our Customer Service (0800 487 777).

The surface preparation, handling and use of paints during painting and drying, as they are flammable products, must be carried out in ventilated places, away from flames, sparks or excessive heat, using personal protective equipment (PPE's) appropriate for the stage to be performed.

Contact with the skin can cause irritation.

If swallowed, do not induce vomiting. In case of contact with eyes, wash them with plenty of water. In any case, seek medical attention immediately.

Do not smoke in the work area.

Make sure that the electrical installations are perfect and that they do not cause sparks.

Do not use thinner to clean the skin, hands and other parts of the body. To clean your hands use alcohol, then wash with water and appropriate cleaning pastes.

In case of fire, use CO₂ or chemical powder extinguishers. It is not recommended to use water to extinguish the fire produced by burning the paints.

Paints and thinners must be stored in ventilated areas and protected from weathering. The temperature can range from 10 to 40°C.

In the event of symptoms of intoxication by inhaling chemical vapors, the intoxicated person should be removed immediately from the workplace to ventilated areas.

In case of fainting, call a doctor immediately.

Product intended for use and handling by professionals connected to the painting area.

The application and use of this product must be carried out in compliance with all the National Health, Safety and Environment rules and regulations.

If it is necessary to carry out removals of the paint already applied and hardened from the substrate, the operator and people who are in the same environment must use personal protective equipment (PPE), appropriate as indicated in the safety information sheet (MSDS).

Store the product in sheltered, ventilated environments with a maximum temperature of 40°C. In situations that occur when welding metal parts painted with this product are required, dust and gases (smoke) will be released, which will require the use of equipment. appropriate personal protection (masks with activated carbon filters and even air conditioning equipment) according to each environment.

Applications in confined areas require adequate ventilation, in addition to specific methods and procedures. For these situations, contact your company's security department.

NOTE

The practical performance of this product varies according to the thickness applied, method and technique of application, type and roughness of the substrate and environmental conditions, etc.

The values found for the tests of: specific weight and drying (with the specified thickness) were obtained in the laboratory at a temperature of 25°C. With temperatures different from that mentioned, the values established above tend to be different from those specified.

The instructions contained in this bulletin are based on our experience and technical knowledge, however, some factors are independent of our control as a manufacturer, such as: surface preparation, application, working conditions, etc.

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The use of a thinner other than that specified without the prior approval of the technical department of AnjoTech may affect the performance of the product and void its warranty.

We do not assume any liability for material and personal damage caused by the misuse of the information contained in this bulletin and the products mentioned.

This bulletin is subject to change without notice.

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