



Polymers... beyond imagination

High Performance Surface coatings

HEATSEAL-NC

Product description

HEATSEAL-NC is heat insulation surface coating based on Grafted Copolymer Technology to block the transfer of heat from high energy source to lower energy source.

Product Highlights

- Excellent Thermal Insulation Properties
- Quick Drying at room temperature
- Excellent Resistance to Abrasion
- Excellent Resistance to chemicals
- Excellent Resistance to U. V. Radiations
- Excellent Resistance to Fire
- Excellent Outdoor Stability

Recommended use

HEATSEAL-NC is essentially used to saves the heat losses by avoiding the heat flow through conductive medium. It acts as a Non-Conductive Medium and blocks the heat flow from higher heat source to lower heat source.

Film thickness and spreading rate

Film thickness, dry 40 –45 Microns per coat
Theoretical spreading rate 6.0(m²/l)

Surface preparation

All surfaces should be clean, dry and free from contamination.

Surface Conditions

Temperature of the substrate - Minimum 3°C above the dew point of the air temperature
Relative humidity – Maximum 50 % measured in the vicinity of the substrate.



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Application methods

Spray- Use Airless Spray or Air Assisted Spray

Brush - Recommended for stripe coating and small areas, care must be taken to achieve the specified dry film thickness.

Roller - May be used for small areas ,however when using roller application care must be taken to apply sufficient material in order to achieve the specified dry film thickness.

Application data

Mixing ratio- It is a single pack ready to use system. No Mixing of Two Components

Pot life (23°C) - No Pot Life (Can be used for six months after opening the container)

Viscosity if needed to be adjusted with special **Thinner SK-13**

Guiding data Airless Spray

Pressure at nozzle- 15 MPa (150 kg/cm², 2100 psi)

Nozzle tip - 0.43-0.79 mm (0.017-0.031")

Spray angle - 40-80°

Filter Check to ensure that filters are clean.

Drying time

Drying times are generally related to air circulation, temperature, film thickness and number of coats, and will be affected correspondingly. The figures given in the table are typical with: * Good ventilation (Outdoor exposure or free circulation of air) *

| Substrate temperature | -10°C | 0°C | 10°C | 23°C | 40°C |
|-----------------------------|---|-------|--------|--------|--------|
| Surface dry (dry to handle) | 30 min | 25min | 20 min | 15 min | 10 min |
| Hard dry | 72 hours | | | | |
| Dry to recoat, minimum | 30 minutes minimum (for testing purpose- 7 days) | | | | |

Typical paint system

General Atmospheric conditions

HEATSEAL-NC - 4 Coats x 45 µm (Dry Film Thickness)



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Storage

The product must be stored in accordance with national regulations. Storage conditions are to keep the containers in a dry, cool, well ventilated space and away from source of heat and ignition. Containers must be kept tightly closed.

Handling

Handle with care. Stir well before use.

Packing size

20 liters, Metal Containers

Health and safety

Please observe the precautionary notices displayed on the container. Use under well ventilated conditions. Do not breathe or inhale mist. Avoid skin contact. Spillage on the skin should immediately be removed with suitable cleanser, soap and water. Eyes should be well flushed with water and medical attention sought immediately. For detailed information on the health and safety hazards and precautions for use of this product, we refer to the Material Safety Data Sheet. **DISCLAIMER**

The information in this data sheet is given to the best of our knowledge based on laboratory testing and practical experience. However, as the product can be used under conditions beyond our control, we can only guarantee the quality of the product itself. We also reserve the right to change the given data without notice. Minor product variations may be implemented in order to comply with local requirements.

ISSUED ON 26 JANUARY 2017 BY SK FORMULATIONS INDIA PVT. LTD.

THIS DATA SHEET SUPERSEDES THOSE PREVIOUSLY ISSUED