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Heat 1500°C

Is a high temperature resistant silicate-sealant for sealing joints in in heaters, open fire places and ovens.

Cures to a hard joint which withstand temperatures up to 1500°C.

Installation of heating systems, furnaces, etc.

- **No shrinkage**
- **Does not crumble or crack after hardening**
- **Heat resistant up to 1500°C**
- **Good adhesion to concrete, metal and bricks.**

TECHNICAL DATA

Basis: Natrium silicate
Curing system: Physical drying
Consistency: Stable paste
Dry solids: 100 %
Density: Approx. 1800 kg/m³
Appearance: Hard and brittle
Solvent: non
Color: Grey-black
Service temperature: -20°C to +1500°C

APPLICATION DATA

Application temperature: +5 to +30°C
Tools: Sealant gun
Joint width: 5-20 mm
Joint movement capability: None.
Skinning time: 1-5 min.
Drying time: Approx. 24 hours depending on temperature, thickness of bond layer and water absorption capability of the substrate
Storage life: 12 months in unopened packaging in a cool and dry storage place at temperatures between +5°C and +25°. Protect from freezing.

PAINTABILITY **PRIMING**

It is not recommended to over-paint Heat 1500°C as the sealant are used in high temperature areas with risk for damage in paint layer.

SURFACE PREPARATION

Joint sides must be dry, clean and free from oil, grease and loose particles.

Metal surfaces should be defatted and residual paint, rust and oxides abraded.

The sealant bonds to all common materials in furnaces like metal, concrete, masonry, fire bricks, refractory linings, glass fiber gaskets etc.

PRIMING

On highly absorbing surfaces, apply a mist of water just prior to the application of the product.

APPLICATION

Apply the product by the use of a sealant gun. Press the product in good contact with the surfaces and smoothen the surface of the joint with a wet wooden spatula or humid sponge.

When bonding glass fiber gaskets, apply 1 mm product in a homogenous bond of the same width as the gasket. Press the gasket into the product. Secure a good wetting, but avoid a through wetting of the gasket.

TEMPORARY REPAIR OF EXHAUST PIPES ON CARS AND OTHER MOTOR VEHICLES

Clean as recommended above and apply a 1 to 3 mm thick layer around the hole. Cut a steel sheet reinforced from a suitable material, e.g. a tin can, and fasten this with exhaust clamps or similar. Make sure the reinforcement is tight and filled with the wet product. Let dry for a couple of hours. When starting the engine, let it idle for some minutes and drive slow and carefully the first hour. A slight smell can occur during the first heat up. Instead of steel sheet, glass

fiber net could be used as reinforcement for smaller damages.
In this case longer drying time is required, up to 24 hours.

CLEANING
Clean the tools and remove stains and waste with water.

AFTER-TREATMENT
Slowly heat after curing, after at least 12 hours, to let surplus of water in the joint to evaporate to prevent the air bubbles in the joint.

MAINTENANCE
Remove cracked and loose product as well as damaged substrate. Clean and re-caulk.

LIMITATIONS
Heat 1500°C is not recommended for;
Central heating systems.

Metal joints with considerable heat movements.

Outdoor applications.

Water resistant bonding.

Sealing/assembling of glass.

Constant water immersion.

A slight warming of the heating installation during 12 hours after application prevents bubble forming and improves structure.

HANDLING AND CLEANING INSTRUCTIONS
Remove all excess sealant adjacent to joint and on equipment prior to cure with water.

Cured sealant is removed mechanically.

On skin, uncured sealant is wiped off with a rag, then wash with soap and water.

Keep out of reach of children.

Do not empty into drains.

ENVIRONMENTAL ASPECTS
For additional health and safety information consult the Safety Data Sheet.

Certifierad enligt:

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