PRODUCT DATA SHEET

Casco® Heat 1500°C

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

DESCRIPTION

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.

CHARACTERISTICS / ADVANTAGES

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

USES

Installation of heating systems, furnaces, etc.

PRODUCT INFORMATION

Packaging	300 ml
Shelf life	12 months in unopened packaging
Storage conditions	In a cool and dry storage place at temperatures between +5°C and +25°. Protect from freezing.
Colour	Grey-black
Density	Approx. 1800 kg/m³
Joint design	Joint width: 5-20 mm Joint movement capability: None.

APPLICATION INFORMATION

Substrate temperature	+5 to +30°C
Curing time	Approx. 24 hours depending on temperature, thickness of bond layer and water absorption capability of the substrate
Skinning time	+5 to +30°C1-5 min.

BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

FURTHER INFORMATION

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.

IMPORTANT CONSIDERATIONS

LIMITATIONS

Casco® 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.

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

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.

SUBSTRATE PREPARATION

PAINTABILITY PRIMING

It is not recommended to over-paint Casco® 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.

CLEANING OF EQUIPMENT

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.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Casco products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product’s suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product

Data Sheet for the product concerned, copies of which will be supplied on request or on the website www.casco.eu.

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