

PRODUCT DATA SHEET

Casco® ClearTech Mini

Clear and transparent moisture curing medium modulus elastic sealant for indoor use

DESCRIPTION

Flexible adhesive and sealant. Can be used instead of silicone.

USES

Sealant for indoor use.
Can also be used as a general adhesive for outdoor and indoor use.

FEATURES

- Excellent adhesion to most materials without primer
- Excellent tooling characteristics
- Can be sanded and overpainted
- Resistant to fresh and salt water

PRODUCT INFORMATION

Composition	MS-polymer	
Packaging	40 ml tube on blistercard	
Colour	Transparent	
Shelf life	18 months	
Storage conditions	Stored in unopened packaging at +10°C - +25°C	
Density	~ 1.030 kg/m ³	
Shore A hardness	~ 35	(DIN 53505)
Shear strength	1,8 N/mm ² 4 mm/sealant thickness	(DIN 53283)
Tensile adhesion strength	2,0 N/mm ²	(DIN 53504)
Tear strength	>2 N/mm	(DIN 53515)
Chemical resistance	Resistant to fresh, salt and lime water, water-soluble detergents, weak acids and bases as well as ordinary waste water. Temporarily resistant to fuel, mineral oils, vegetable and animal fats and oils.	
Temperature resistance	-40°C to + 90°C, temporary 120°C (8 hours)	
Change of volume	< 3%	(DIN 52451)
Elongation at break	> 350%	(DIN 53504)
Ambient air temperature	+5°C to + 35°C	

Curing rate	4 - 6 mm/24 hours (at +23°C and 50% rf)
Skinning time	5 - 8 minutes (at +23°C and 50% rf)

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.

LIMITATIONS OF USE

Casco® ClearTech Mini has no or poor adhesion to polyethylene, polypropylene, silicone, Teflon and some softened plastics.

When using the product Always protect the sealant surface against UV radiation.

Not or briefly resistant to organic solvents, concentrated bases and mineral acids, lacquers and paint thinners, bitumen, asphalt and alcohol.

SPECIFICATION INFORMATION

Overpaintability

Casco® ClearTech Mini can be overpaintable with most dispersion dyes. When using alkyd-based paints and lacquers there is a risk of slow or no drying. Pretest painting is recommended.

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

For best application properties, the material must be kept at room temperature.

Casco® ClearTech Mini is applied in a V-shaped* string. Lay the sealant strands so that moisture can enter. During the curing process applies generally that all loadbearing sealant joints are not loaded with more than 10% of it planned load.

Elastic bonding works with sealant thicknesses of 1-5 mm. Adjust sealant thickness according to what the sealant will be exposed to: pull, shear, patch stresses and temperature.

Remove any masking tape within 15 minutes.

SUBSTRATE PREPARATION

Joint interface must be clean, dry and free from oils, loose aggregates, laitance, release agents, waterproofing and other contaminants.

A thorough wire brushing, grinding, sand blasting or solvent cleaning may be required to expose clean, sound surfaces.

CLEANING OF EQUIPMENT

Unhardened Casco® ClearTech Mini is removed with white spirit. Cured sealant is removed mechanically.

ATTENTION! White spirit should not be used for cleaning before gluing.

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.

Sika Sverige AB
Domnarvsgatan 15
Box 8061
SE- 163 08 Spånga Sweden
TEL: +46 8 621 89 00
info@se.sika.com
www.casco.eu

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