



A SIKA BRAND

PRODUCT DATA SHEET

Casco[®] ClearTech

Clear and transparent moisture curing medium modulus elastic sealant



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
- Free of isocyanates, solvents and silicones
- No shrinkage, bubble free
- Neutral curing, almost odourless
- Non corrosive towards metals
- Absorbs acoustic and mechanical vibrations
- Over-paintable
- Can freeze and thaw without losing its properties
- Indoor and outdoor use

CERTIFICATES AND TEST REPORTS

EN 15651-1:2012: F-INT

Sealants for façade elements for interior application only.

ISEGA -Suitable for applications in areas where food is being processed and/or stored.

PRODUCT INFORMATION

Composition	Hybrid	
Packaging	290 ml cartridge	
Shelf life	18 months in unopened package	
Storage conditions	In a cool and dry place between +5°C - +25°C. Frost resistant up to -15°C during transport.	
Colour	Clear	
Density	~1060 kg/m ³	ISO 1183-1

TECHNICAL INFORMATION

Shore A hardness	~45	DIN 53505
Tensile strength	3,20 N/mm ²	DIN 53504 S2

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Elongation at break 450%

DIN 53504 S2

Service temperature -40°C to +90°C

APPLICATION INFORMATION

Ambient air temperature +5°C - +40°C Humidity limits: Minimum 30% RH

Curing time 2-3 mm/24 hours at +23°C/50% RH

Skimming time ~10 minutes at +23°C/50% RH DBTM 16

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

- Not suitable for PE, PP, PC, PMMA, PTFE, soft plastics, neoprene and bituminous substrates
- Not suitable for continuous exposure to water
- With prolonged exposure to UV radiation, products can discolour and become less UV stable
- Not suitable for movement and glazing joints
- Not suitable for natural stone and mirrors

Casco® ClearTech not recommended for: Structural or butt glazing, or similar applications with high UV light exposure and high movements which can affect the adhesion. For continuous exposure of water. For application on PE, PP, PC, PMMA, PTEE, Teflon, Neoprene and bituminous surfaces. Not suitable for use with natural stone. Long term of UV exposure may cause discoloration and influence UV-stability. Joints less than 5 mm in width or depth. Swimming pools and water containing chlorine based disinfectants. Yellowing can occur in the dark and by contact with chemicals.

FURTHER INFORMATION

PAINTABILITY

Casco® ClearTech is paintable with water based and most 2 component paints. Synthetic paints can dry slower. We recommend testing compatibility with paint prior to application. If Casco® ClearTech is to be painted over (not necessary), we recommend slightly sanding the sealant and the junction surfaces prior to use with Scotch-Brite. For the best results, we recommend painting within a few days after application.

JOINT FILLING PROPERTIES

The excellent joint filling properties of Casco® ClearTech gives an air tight seal. A nice seal is obtained if a small surplus is squeezed out of the joint and wiped smooth with a rag or spatula. The joint filling properties also allow uneven surfaces to be glued.

It should however be noted that a very uneven joint reduces the strength, since the thinnest part will take most part of the load.

MOISTURE CURE

If water impermeable surfaces should be glued, precautions have to be taken if the width of the joint is more than 5-10 mm. The strings or dots can be applied in a pattern that allows moisture to migrate into the joint. The cure can be accelerated by spraying water on the surfaces to be glued, immediately before applying Casco® ClearTech. Maintaining a high RH and temperature will also give a faster and safer cure.

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

Apply Casco® ClearTech in a 'ventilating' way in vertical stripes with 10-20 cm distance between stripes. Do not apply Casco® ClearTech in dots! Use 3 mm thick double sided tape to support adhesion during the first 24 hours, and to make sure that the thickness of the adhesive is correct.

EQUIPMENT

Caulking gun.

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. Apply a joint backing rod of foamed polyethylene that is approx. 25 % wider than the joint. If the available space does not allow a backing rod, prevent adhesion to the bottom of the joint by other means, e.g. with polyethylene tape.

CLEANING OF EQUIPMENT

Remove all excess sealant adjacent to joint and on equipment prior to cure with a rag. Cured material can only be mechanically removed.

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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