

PRODUCT DATA SHEET

Casco® RoofSeal Takfog

Multipurpose Sealant and Adhesive for Roof Applications

DESCRIPTION

Casco® RoofSeal Takfog is a 1-component, moisture-curing, elastic joint sealant.

USES

Casco® RoofSeal Takfog is designed for many sealing and bonding applications on roofs. Casco® RoofSeal Takfog is especially intended for sealing and bonding of roofing felts, repairing of roofing tiles, roofing sheets and as a sealant around chimneys.

CHARACTERISTICS / ADVANTAGES

- Elastic
- Solvent free
- Good workability
- Good adhesion to many substrates

PRODUCT INFORMATION

Composition	Silane terminated polymer
Packaging	300 ml cartridge, 12 cartridges per box
Shelf life	Casco® RoofSeal Takfog has a shelf life of 12 months from the date of production, if it is stored in undamaged, original, sealed packaging, and if the storage conditions are met.
Storage conditions	Casco® RoofSeal Takfog shall be stored in dry conditions, where it is protected from direct sunlight and at temperatures between +5 °C and +25 °C.
Colour	Colour range to be defined by local sales organization.
Density	~1.50 kg/l (ISO 1183-1)

TECHNICAL INFORMATION

Shore A hardness	~35 (after 28 days) (ISO 868)
Tensile strength	~1.2 MPa (ISO 37)
Tensile strain at break	~250 % (ISO 37)
Tear propagation resistance	~4.0 N/mm (ISO 34)
Service temperature	-40 °C to +80 °C

APPLICATION INFORMATION

Ambient air temperature	+5 °C to +40 °C, min. 3 °C above dew point temperature	
Substrate temperature	+5 °C to +40 °C	
Curing rate	~3 mm/24 hours (23 °C / 50% r.h.)	(CQP 049-2)
Skinning time	~40 minutes (23 °C / 50% r.h.)	(CQP 019-1)
Tack free time	~180 minutes (23 °C / 50% r.h.)	(CQP 019-1)

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.

IMPORTANT CONSIDERATIONS

- Casco® RoofSeal Takfog can be overpainted with most conventional facade coating paint systems. However, paints must first be tested to ensure compatibility by carrying out preliminary trials (e.g. according to ISO technical paper: Paintability and Paint Compatibility of Sealants). The best over-painting results are obtained when the sealant is allowed to fully cure first. Note: non-flexible paint systems may impair the elasticity of the sealant and lead to cracking of the paint film.
- Colour variations may occur due to exposure to chemicals, high temperatures and/or UV-radiation. However, a change in colour is purely of aesthetic nature and does not adversely influence the technical performance or durability of the product.
- Do not use Casco® RoofSeal Takfog on natural stone.
- Carry out preliminary trials before using Casco® RoofSeal Takfog on bituminous substrates, natural rubber, EPDM rubber or on any building materials which might bleed oils, plasticizers or solvents that could attack the sealant.
- Do not use Casco® RoofSeal Takfog to seal joints in and around swimming pools.
- Do not use Casco® RoofSeal Takfog for joints under water pressure or for permanent water immersion.
- Do not expose uncured Casco® RoofSeal Takfog to alcohol containing products as this may interfere with the curing reaction.

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

SUBSTRATE PREPARATION

The substrate must be clean, dry, sound and homogeneous, free from oils, grease, dust and loose or friable particles. Casco® RoofSeal Takfog adheres without primers and/or activators. However, for optimum adhesion and critical, high performance applications, such as on multi-story build-

ings, highly stressed joints, extreme weather exposure or water immersion, the following priming and/or pre-treatment procedures shall be followed:

Non-porous substrates

Aluminium, anodised aluminium, stainless steel, galvanised steel, powder coated metals or glazed tiles have to be cleaned and pre-treated using Sika® Aktivator-205, wiped on with a clean towel. Before sealing, allow a flash-off time of > 15 minutes (< 6 hours). Other metals, such as copper, brass and titanium-zinc, also have to be cleaned and pre-treated using Sika® Aktivator-205, wiped on with a clean towel. After the necessary flash-off time, use a brush to apply Sika® Primer-3 N and allow a further flash-off time of > 30 minutes (< 8 hours) before sealing the joints. PVC has to be cleaned and pre-treated using Sika® Primer-215 applied with a brush. Before sealing, allow a flash-off time of > 30 minutes (< 8 hours).

Porous substrates

Concrete, aerated concrete and cement based renders, mortars and bricks shall be primed using Sika® Primer-3 N applied with a brush. Before sealing, allow a flash-off time of > 30 minutes (< 8 hours).

For more detailed advice and instructions please contact the local Sika Technical Services Department.

Note: Primers are adhesion promoters. They are neither a substitute for the correct cleaning of a surface, nor do they improve the strength of the surface significantly.

APPLICATION METHOD / TOOLS

Casco® RoofSeal Takfog is supplied ready to use. After the necessary substrate preparation, insert a suitable backing rod to the required depth and apply any primer if necessary. Insert a foil pack or cartridge into the sealant gun and extrude Casco® RoofSeal Takfog into the joint making sure that it comes into full contact with the sides of the joint and avoids any air entrapment. Casco® RoofSeal Takfog sealant must be firmly tooled against the joint sides to ensure adequate adhesion.

It is recommended to use masking tape where exact joint lines or neat lines are required. Remove the tape within the skin time. Do not use tooling products containing solvents.

Use a compatible tooling agent (e.g. Sika® Tooling Agent N) to smooth the joint surfaces. Do not use tooling products containing solvents.

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CLEANING OF EQUIPMENT

Clean all tools and application equipment immediately after use with Sika® Remover-208 and/or Sika® Top-Clean T. Once cured, residual material can only be removed mechanically.

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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