

602

Bitum Sealant

1 - Description

Akfix 602 is a solvent-based plasto-elastic bituminous sealant, reinforced by fibres, for gluing and reparations on bituminous surfaces. After curing a permanent flexible mass is formed.

2 - Properties & Features

- Immediate and permanent adhesion on all common construction materials (such as brick, concrete, lead, zinc, tiles, isolation panels, certain plastics, etc.)
- Can be applied under humid conditions.
- It is thixotropic and therefore cannot drip, flow or spill and makes no threads.
- Free from asbestos.
- Remains flexible after processing and vulcanization.
- Resistant to moisture.
- Economic in use.
- Unflammable (when used properly).
- Highly insulating.
- Protects against rust and moisture.

3 - Fields of Application

- Waterproof sealing of joints, seams, chimneys, ventilation tubes, drainpipes, etc.
- Adhesive for synthetic materials, tiles, concrete, rubber, insulating panels etc.
- Sealing seams in wooden ships or boats.

4 - Product Information

Packacking	310 ml
Shelf Life	12 months
Storage Conditions	Store in cool and dry conditions between +5°C and +30°C
Color	Black

5 - Technical Data

Uncured Sealant	Method / Conditions	Value
Basis		Bitum
Curing Mechanism		Neutral, Physical drying
Density	ISO 1183-1	1.35 ± 0.02 gr/cm ³
Skin Formation Time	Internal (23°C and 50% R.H)	30 min.
Practical Consumption		450 g/m ²
Drying Rate	Internal (23°C and 50% R.H)	0,5-1 mm/day
Cured Sealant		
Application temperature	(Ambient and surface)	Between +1°C and +30°C

6 - Directions for Use

Surface preparation and sealant application;

- A. **Cleaning and joint preparation:** Substrates must be sound quality, clean, dry and free of dust, grease, rust and other contaminants which may affect the adhesion. Non-porous surfaces (such as aluminum, glass, etc.) must be free of any coatings and should be cleaned with a suitable solvent and thoroughly dried with a clean cloth. Porous substrates (such as concrete, brickwork, etc.) must be mechanically cleaned from loose particles or residues with a jet of compressed air, sandpaper or hard brush. Mask off joint edges with self-adhesive tape as protection from contamination.
- B. **Backing material:** Use a polyethylene bond breaker tape or backer rod to adjust the joint depth to proper width/depth ratio and to avoid three side adhesion which restrict the movement capability of the sealant. Backer rod must be at least wider 25% than the joint width.
- C. **Sealant application:** Recommended application and surface temperatures: +1°C and +30°C. Cut nozzle to obtain desired bead size. Apply the sealant as evenly as possible by using professional caulking gun.
- D. **Tooling and finishing:** Tool the joint surface with a smoothing tool ensuring the sealant a full contact to the sides and backup material into the joint before skin formation. Remove the masking tapes immediately after smoothing over the surface of the sealant.
- E. **Cleaning:** Uncured product may be easily removed with damp sponge. Cured product must be removed mechanically. Hands can be cleaned with warm water and soap.

7 - Remarks & Restrictions

- It cannot be painted with paints on solvent basis.
- Can only be used for synthetic materials without softener.
- Contact with mineral oils softens the product.

8 - Safety

Ensure good ventilation of the work station. Wear personal protective equipment. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Store in a well-ventilated place. Keep cool. Check MSDS guidelines for disposal and further information concerning safety.

9 - Disclaimer

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