



AKFIX HB420 HYBRID ROOF DETAIL

1 – DESCRIPTION

Akfix HB420 Waterguard is a hybrid polymer based liquid flashing compounds for waterproofing of complex roofing details and connections such as pipes, chimneys, lightdomes, gutters etc.

2 – PROPERTIES

- Does not contain solvent, silicone, bitumen or isocyanate,
- Simple application,
- Forms seamless membrane without joints or leak possibilities,
- Water and frost resistant,
- Provides water vapor permeability,
- Full surface adherence without any additional anchoring,
- Can be applied damp surface
- In case of damage, membrane can be easily repaired locally within minutes
- Low labor cost

3 – APPLICATIONS

The Roof Detail Hybrid is mainly used to waterproof details like;

- Pipes
- Flashings and 90° angles
- Lightdomes
- Chimneys
- Wall-floor connections
- Roofing and gutters
- Photovoltaic systems
- Concrete, mortar, cement screed, wood etc.

4 – INSTRUCTIONS

- Ensure that the surfaces to be sealed are clean, dry and free from grease. A preliminary compatibility test is recommended.
- The application temperature must be between + 5 ° C and +40 ° C.
- Mask the area to be waterproofed with a masking tape in sufficient size.
- Apply the first layer of Roof Detail Hybrid with a flat brush and spread evenly.
- Apply second layer of Roof Detail Hybrid thickly with a flat brush and remove masking tape.
- If desired for aesthetic reasons, slate chippings can be sprinkled in the wet coating in excess. Apply slight pressure by hand to stabilize the slate chippings.
- An excess of sealant can be removed from tools and surfaces before it cures, using solvent. Once hardened, the material can be removed mechanically.



5- COVERAGE

Approximately 1,5 kg/m² for each 1 mm thickness. The coverage amounts are theoretical and it is recommended to do coverage-controlled sample application before treatment.

6- STORAGE AND SHELF LIFE

9 months if stored properly in its original package between +5 °C and 25 °C in a dry environment and protected from direct sunlight

7- PACKAGING

Product	Volume	Package
White, Grey, Black	1 kg	
White, Grey, Black	14 kg	

8- RESTRICTIONS

- It must not be used in totally confined spaces where sealant cannot cure due to lack of atmospheric moisture.
- Avoid application below 5 °C and above 40 °C.

9- TECHNICAL PROPERTIES

Basis	: Hybrid Polymer	
Curing Mechanism	: Moisture	
Density	: 1,46 ± 0,03 g / ml	
Consistency / Color	: Viscous liquid / White, Grey, Black	
Hardness Shore A	: 35±5	(ISO 868)
Viscosity	: 80.000-120.000 cps (Spindle 07, Brookfield)	
Skin Formation Time	: 40-60 min (23°C, 50% R.H.)	
Curing Performance	: Min.2,5 mm/24h (23°C, 50% R.H.)	
Elongation at Break	: ≥ 250%	(DIN 53504)
Tensile Strength	: 1,5-2,0 N/mm ²	(DIN 53504)
Application Temperature	: +5°C to +40°C	
Temperature Resistance	: -40 °C to +90°C	



TECHNICAL DATA SHEET

Akfix® coating

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