



High-Q Multipurpose Bond

Description

Akfix High-Q Multipurpose Bond is a premium quality, paintable, gap-filling, low odour adhesive for both indoor and outdoor multi-purpose use adhesive. Akfix High-Q Multipurpose Bond provides superior adhesion to most common construction materials. It's high UV and weather resistant adhesive.

Properties & Features

- Flexible bonding
- Suitable for both indoor and outdoor use
- Excellent adhesion to most building substrates
- High durability & UV resistance
- 100% waterproof & weatherproof seal
- Over-paintable
- Environmentally friendly
- Free of Solvent, isocyanate, silicone, and phthalate
- Low odour
- Very easy to apply, tooling and clean up with water

Fields of Application

Bonding of wide range of building materials to most typical materials, such as: Concrete, chipboard, wood, plaster board, brick, stones, gypsum, cork, metal, ceramic, polystyrene and polyurethane foam board.

Directions for Use

Surface preparation and sealant application;

- 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 compressed air, sandpaper or hard brush.
- Adhesive application:** Recommended application and surface temperatures: +10°C and +25°C. Cut nozzle to obtain desired bead size. Apply the adhesive as evenly as possible by using professional caulking gun. Apply adhesive in spots or strips on the surface or bonded material. Join the surfaces firmly together with a press strongly and evenly. Bonding material can be repositioning within 5±2 minutes.
- 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.

Instructions

When the adhesive comes out of the cartridge, it appears white but turns clear in about 10 to 14 days. Protect from moisture for at least 24 hours for proper drying. Cannot be used for bonding the surfaces where is permanently exposed to water. In case of short-term exposure to water (24h) a slight 'clouding' will occur. In case of long-term exposure to water (14 days) the product will turn white again and will lose its mechanical properties. The product is compatible with most paint systems. But we strongly suggest a compatibility test before application due to be safe. Application between two non-absorbent materials increases the drying time of the adhesive. In this case, the adhesive becomes transparent over a longer period of time.



Safety

Check MSDS guidelines for further information concerning safety

Technical Data

Uncured Sealant	Method / Conditions	Value
Curing Mechanism	Physical drying	
Color	Transparent (after dried)	
Density	ISO 1183-1	1,05 ± 0,03 g/ml
Skin Formation Time	Internal (23 °C and 50% R.H)	10 ±5 min. (Clear)
Drying Rate	Internal (23 °C and 50% R.H)	Min. 2 mm/day
Cured Sealant		
Shore A hardness	ISO 868	35 ±5
Total VOC content	SCAQMD rule 1168	<45 g/L
UV resistance	ASTM C-732 (500 hours)	Pass
Tensile strength	ISO 37 (4 mm thickness) (45 days 23 °C and 50% R.H)	1,25 ±0,25 N/mm ²
Service temperature		Between -20°C and +70°C
Application temperature	(Ambient and surface)	Between +5°C and +35°C
Packacking	280 ml, 300 ml PE cartridge	
Shelf Life	15 months	
Storage Conditions	Store in cool and dry conditions between +5°C and +25°C	

DISCLAIMER

The technical data contained herein is based on our present knowledge and experience and we cannot be held liable for any errors, inaccuracies, omissions or editorial failings that result from technological changes or research between the date of issue of this document and the date the product is acquired. Before using the product, the user should carry out any necessary tests in order to ensure that the product is suitable for the intended application. Moreover, all users should contact the seller or the manufacturer of the product for additional technical information concerning its use if they think that the information in their possession needs to be clarified in any way, whether for normal use or a specific application of our product. Our guarantee applies within the context of the statutory regulations and provisions in force, current professional standards and in accordance with the stipulations set out in our general sales conditions. The information detailed in the present technical data sheet is given by way of indication and is not exhaustive. The same applies to any information provided verbally by telephone to any prospective or existing customer.