

MULTISEAL UNIVERSAL SEALANT & ADHESIVE

1 - Description

Akfix Multiseal is a universal grade, general purpose all-weather sealant. Multiseal combines the properties of both silicone and the polyurethane that makes it an optimum choice for a variety of substrates including: Aluminum, Granite, Ceramics, Marble, Porcelain, Metals, PVC, Glass, Wood, Porous Surfaces (Concrete, Brick, Limestone, etc.)

2 - Properties

- Does not contain solvent, silicone or isocyanate,
- Very Low VOC content,
- No bubble formation, even in wet and humid conditions,
- Very good UV resistance
- Over-paintable with water based paints,
- No shrinkage
- Does not cause oil stains in panels and porous material
- Non-sag, very easy to apply
- No surface tackiness

3 – Application Areas

Sealing and Bonding applications in;

- Window and Door Perimeter
- General sealing and waterproofing
- Roofing and gutter
- Concrete joints
- Metal building construction
- HVAC

4 – Product Information

Packaging	290 ml , 600 ml
Shelf Life	12 months
Storage Conditions	Away from direct sunlight and moisture, between +5 °C and +25 °C
Color	White, Black, Grey

5 – Directions for Use

- 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.

- Dimensions of the joint:
 Minimum width X Minimum depth: 5mm X 5 mm
 Recommendation: width = 2 x depth
- The joint must be smoothed with spatula within 5 minutes of application to ensure good contact between the sealant and the substrate.
- The adhesive tape must be used where precise lines of joints or clean lines are required. Remove the tape immediately after applying the product.
- An excess of sealant can be removed from tools and surfaces before it cures, using solvent. Once hardened, the material can be removed mechanically.

Surface Preparation

Following cleaning procedure and materials are recommended:

Glass	Degrease with alcohol or MEK
Aluminium, light alloys and stainless steel	Degrease with alcohol or MEK
Other metals	Lightly abrade then degrease as above
Wood	Lightly abrade surface then remove dust
Plastics	Degrease using an agent recommended by plastics manufacturer
Concrete and other alkaline surfaces	Brush and remove dust

6 – Technical Data

Before Curing	Method /Condition	Value
Basis		: Hybrid Polymer
Consistency		: Thixotropic
Curing System		: Moisture Curing
Density		: 1,60 ±0.03 g/ml
Skin Formation Time	23°C and %50 R.H.	: 12-25 min
Curing Rate	23°C and %50 R.H.	: Min. 2.5 mm/day
Sagging	ISO 7390	: 0 mm
Application Temperature		: +5°C to +40°C
Temperature Resistance		: -40°C to +90°C

After Curing	Method /Condition	Value
Hardness Shore A	ISO 868	: 40±5
Shrinkage	ISO 10563	: < 3%
Elongation at break	DIN 53504	: ≥ 300%
Tensile Strength	ASTM D412	: 1,5-2,0 N/mm ²

Consumption (Approx.)

Joint width	10 mm	15 mm	20 mm	25 mm	30 mm
Joint Depth	5 mm	8 mm	10 mm	12 mm	15 mm
Joint length / 600 mL	12 meters	5 meters	3 meters	2 meters	1,3 meters

7 – Approvals and Certificates

Meets or exceeds the requirements of the following specifications:

- The requirements of VOC content specifications in LEED credit EQc4.1 “Low-emitting products” of SCAQMD rule 1168.
- The French VOC requirements for class A+
- CE marked for EN 15651 for façade applications.

8 – Remarks & 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.
- It is not suitable for food contact applications.

9 – Safety

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

10 – Disclaimer

The technical data contained here in 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