



# MS ALLBOND CLEAR

Akfix All Bond MS Clear; is a high quality, neutral, elastic, crystal clear elastic adhesive based on MS polymer.

## FEATURES & BENEFITS

- Crystal clear permanently elastic formulation,
- High bond strength nearly on all surfaces even if slightly humid,
- Very good mechanical properties,
- Do not contain solvent, silicone, isocyanate, halogens or acids,
- Good extrudability even at low temperatures,
- Over-paintable with water based paints,
- Primerless adhesion to numerous porous and non-porous substrates,
- No shrinkage,
- Does not crack or discolor

## APPLICATION AREAS

- It has a good adhesive strength without primer on most common materials such as aluminum, zinc, galvanized steel, stainless steel, copper, natural stone, concrete, brick, etc.
- For crystal clear elastic bonding in construction and building applications.
- Invisible bonding and sealing of glass and other transparent materials in indoor applications.,

## INSTRUCTIONS

- Before the application, the tip of the cartridges is cut and a plastic cap is fixed.
- The tip of the cap is cut according to the width of the surface and fixed to the cartridge gun.
- For bonding application: Apply the adhesive in strips or dots to the base or on the element to be bonded. The strips must be applied in vertical rows. Bring together the parts to be joined as quickly as possible, at least within 5 minutes (this depends on the temperature and relative humidity level).
- For sealing application: The surface of Akfix MS Clear applied in the joints should be smoothed with a dampened spatula, glazing tool, joint iron or by hand immediately.
- If used, the adhesive tape should be removed afterwards.
- The opened packages should be consumed as quickly as possible.



Crystal Clear  
Elastic Finish



- The contaminated areas and used tools should be cleaned with white spirit or alcohol. It is cleaned only mechanically after cured.

#### Application Dimentions

- Minimum width for bonding is 1 mm.
- Maximum width for bonding is 3 mm.
- Minimum width for joints is 5 mm.
- Maximum width for joints 10 mm.
- Minimum depth for joints 5 mm.

#### Consumption (approx.)

Joint Width	5mm	10mm
Joint Depth	5mm	5mm
Efficiency /310 ml	12 meters	6 meters

#### 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

## STANDARDS

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.

## RESTRICTIONS;

- It must not be used in totally confined spaces where sealant cannot cure due to lack of atmospheric moisture.
- Cannot be used on natural stone. Because the adhesion surface will discolor under influence of the sealant (looks wet) and also this is visible through the sealant due to its clear look.
- Do not use in applications where continuous water immersion is possible.
- Prolonged exposure to direct sunlight can cause discoloring,



## STORAGE AND SHELF LIFE;

- They should be protected from water, frost and adverse air conditions.
- They should be kept dry and cool on wooden pallets at between +10 °C and +25 °C in moisture free conditions.
- The opened products should be consumed immediately.
- Shelf life is maximum 9 months conditional to complying with the aforementioned storage conditions.

## SAFETY & DISPOSAL

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.

## PROPERTIES

<b>Chemical Base</b>	<b>: MS Polymer</b>
<b>Curing System</b>	<b>: Moisture</b>
<b>Density</b>	<b>: 1.05 ± 0.03 gr/ml</b>
<b>Appearance/Color</b>	<b>: Paste, Clear</b>
<b>Tack Free</b>	<b>: 5-10 min (23°C and %50 R.H.)</b>
<b>Curing Rate</b>	<b>: ~ 2,7 mm/ 24 hr (23°C and %50 R.H.)</b>
<b>Shore A Hardness</b>	<b>: 35 ±5</b>
<b>Elongation at Break %</b>	<b>: ≥ % 350</b>
<b>Volume Loss</b>	<b>: &lt; -%3 (23°C and %50 R.H.)</b>
<b>Tensile Strength</b>	<b>: 2,10 N/mm<sup>2</sup></b>
<b>Shear Stress</b>	<b>: 1471-1606 Pa.</b>
<b>Viscosity (Pa.s)</b>	<b>: 1440-1572 Pa.s at 25°C</b>
<b>Viscosity (cps)</b>	<b>: 1440000- 1572000 Cps at 25°C</b>
<b>Heat Resistance</b>	<b>: -20°C and +80°C</b>
<b>Application Temperature</b>	<b>: +5°C and +40°C</b>

## PRODUCT

Product Type	Volume	Package
Clear	290 ml	12

## 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.