



MS FLEXI

1 – DESCRIPTION

MS Flexi; Neutral, elastic, single component MS based joint sealant. It is a low modulus sealant suitable for both indoor and outdoor applications

2 – PROPERTIES

- Highly thixotropic: Suitable for horizontal and vertical joints
- Low modulus - can withstand extreme joint movement
- Does not contain solvent, silicone or isocyanate
- High bond strength on nearly all surfaces
- Primer less adhesion on many different substrates
- No bubble formation, even in wet and humid conditions
- Very good UV resistance
- Over-paintable with water based paints
- No shrinkage

3 – APPLICATION AREAS

- Expansion and connection joints in the building industry
- Sealing of joints in prefabricated buildings
- Movement joints in high rise constructions
- Sealing between window and door frames
- Where joints have to be painted

4 – APPLICATION

- 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.
- The sausage package is cut from one edge and fixed to a suitable gun. Then the cap nut is screwed to the cylinder of the gun.
- The joints should be filled at one time and without gaps during the application.
- The surface of MS Flexi 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.
- The contaminate areas and used tools should be cleaned with white spirit or alcohol within 10 minutes. It is cleaned only mechanically after cured.
- Joint width/depth ratio should be 2:1.



Consumption (approx.)

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

5 – 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 & glazing applications

6 – 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 12 months conditional to complying with the aforementioned storage conditions.

**7- PACKAGING**

Product	Volume	Package
White/Black/Grey	290ml	12
White/Black/Grey (Sausage)	600ml	20

8 – NOTES

- The application surface should be clean, dry and grease- and dust-free.
- MS Flexi may be applied to a variety of substrates. It bonds without primer on almost all materials occurring in the building industry. If not sure, we recommend a preliminary compatibility test.
- The contaminate areas and used tools should be cleaned with white spirit or alcohol. It is cleaned only mechanically after cured.

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- TECHNICAL PROPERTIES

Chemical Base	: MS Polymer
Curing System	: Moisture
Density	: 1.38 ± 0.03 gr/ml
Appearance/Color	: Paste, White, Black or Grey
Tack Free	: Approx. 60 min (23°C and %50 R.H.)
Curing Rate	: Approx. 2,5 mm/ 24 hr (23°C and %50 R.H.)
Sagging (ISO 7390)	: 0 mm
E100 Modulus (ISO 8339)	: < 0,4 N/mm ²
Shore A Hardness (ISO 868)	: 25 ±5
Elongation at Break % (ISO 37)	: ≥ % 350
Volume Loss	: < -%3 (23°C and %50 R.H.)
Tensile Strength (ISO 37)	: 1,0 – 1,5 N/mm ²
Heat Resistance	: -40°C and +90°C
Application Temperature	: +5°C and +40°C



10 – LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Akkim products, are given in good faith based on Akkim's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Akkim's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Akkim reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.