

FENGJING(CHINA) BUILDING MATERIAL GROUP COPORATION

## TECHINICAL DATA SHEET

### FJ-MS SEALNAT

#### HIGH-TACK MS POLYMER SEALANT

FJ High-Tack POLYMER SEALANT is a MS polymer-based, one component, high quality and professional adhesive with high adhesive strength and initial tack. It is suitable for bonding heavy building materials without the use of clamps and/or fixing tape.

#### **FEATURES & BENEFITS**

High initial grab,

Does not contain solvent, silicone or isocyanate,

Semi-elastic bonding,

Very good UV resistance

Excellent elasticity and very good adhesion strength

Over-paintable with water based paints,

No bubble formation

No shrinkage

Primer less adhesion on many different substrates

#### **APPLICATION AREAS**

Wall cladding elements and ceiling panels

Sound isolation panels (mineral wool, wood-wool cement & plastic foams)

Thermal isolation panels (PUR, PIR, PS)

Casings and frames in building construction

Wooden and plastic laths, ornaments and frames

Doorsteps, window sills, skirting boards and cover plates

## **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.

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 10 minutes (this depends on the temperature and relative humidity level).

The parts can at this stage still be adjusted, but finally it should be pushed down well over the other or tapped with a rubber hammer.

Any adhesive that may protrude along the edges can be removed using a stopping knife. Adhesive residue that has not yet dried can be removed using white spirit or alcohol. Dried adhesive must be removed mechanically. Joint width/depth ratio should be 2:1.

### **Consumption (approx.)**

Joint Width	10mm	15mm	20 mm
Joint Depth	5mm	8mm	10 mm
Efficiency /290 ml	6 meters	2.5 meters	1.5 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
Concrete and other alkaline Surfaces	Brush and remove dust

## **STANDARDS**

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.

## **RESTRICTIONS**

It must not be used in totally confined spaces where sealant cannot cure due to lack of atmospheric moisture.  
High Tack ms polymer sealant can be applied to a variety of substrates directly. If not sure, we recommend a preliminary compatibility test.

## **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.

## **PROPERTIES**

<b>Chemical Base</b>	: MS Polymer
<b>Curing System</b>	: Moisture
<b>Density</b>	: 1.49 ± 0.03 gr/ml
<b>Appearance/Color</b>	: Paste, White, Black or Grey
<b>Tack Free</b>	: 15-20 min (23°C and %50 R.H.)
<b>Curing Rate</b>	: Approx. 3,5 mm/ 24 hr (23°C and %50 R.H.)
<b>Sagging (ISO 7390)</b>	: 0 mm
<b>Shore A Hardness (ISO 868)</b>	: 55 ±5
<b>Elongation at Break % (ISO 37)</b>	: ≥ % 300
<b>Volume Loss</b>	: < -%3 (23°C and %50 R.H.)
<b>Tensile Strength (ISO 37)</b>	: 3,0-3,5 N/mm <sup>2</sup>
<b>Shear Stress</b>	: 3121-3237 Pa.
<b>Heat Resistance</b>	: -40°C and +90°C
<b>Application Temperature</b>	: +5°C and +40°C