

# MARAPI

## 1. DESCRIPTION

Monocomponent, adhesive sealant, based on MS polymer with high initial adhesive strength.

## 2. PROPERTIES:

- Single component joint sealant with high adhesive strength.
- Does not contain isocyanates, silicone, solvent.
- High initial adhesive strength and fast curing.
- Excellent adherence without primer on most materials in the automotive industry.
- Good mechanical, chemical and weather resistance.
- Remains flexible between -40° C and + 90° C.
- Permits sandpapering and painting.
- Absorbs vibration and noise.
- No retraction.
- Very good U.V. resistance.
- Adheres to damp surfaces and even, depending on the materials under water.

## 3. APPLICATIONS:

- Sealing and bonding in the building and construction industry.
- Bonding panels, skirting boards, windowsills, stripes, mirrors and isolating materials.
- Construction and repairing of car bodies.
- Construction and repairing of caravans.
- Construction and repairing of containers.
- All bonding where need a high initial strength and fast cured.

## 4. CHEMICAL RESISTANCE:

Water, soapy water, brine, salted water, inorganic diluted acids and alkalis: Very good.

## 5. TECHNICAL FEATURES

Uncured Marapi	
Appearance:	Homogeneous creamy paste.
Slump resistance (ISO 7390)	None mm
Tack free (ASTM C-679-71)	5 minutes
Forming of skin (BS 5889) Ap.A	15 minutes
Volume loss (DIN 52451):	<2%
Flashpoint (DIN 51794)	430 °C
Curing rate at 23°C and 55% h.r.:	430 °C
Application Temperature:	+5 a +50 °C

Marapi curado (4 semanas a 23°C y 55% H.R.)	
Appearance	Similar to rubber
Shore a Hardness (ISO 868):	50
Modulus100% (ISO 37):	1,60 MPa
Tensile strength (ISO 37):	2,80 MPa
Elongation at break (ISO 37):	400 %
Temperature Range in service:	- 40 a +90 °C
Resistance to UV and to weather condicionst	Very good

## 6. INSTRUCTIONS

### Preparing the surface:

The supports must be clean and dry. Clean with non- grease solvent such as acetone is recommended, specially for metallic supports.

### Working technique:

Cut the end of the cartridge's seal, screw on the nozzle and bevel cut to the required section. Insert the ensemble in the application gun. To seal or to repair apply a string of MARAPI in the joint.

To bond pieces, apply a fine string on one of the surfaces. This is a vertical and discontinuous way to permit air circulation after the application. Press the panel on the surface and "avoid" rectifications. In some cases additional supports should be used. These can be removed after 24 hours

### Yield:

The following formula is an approximate guideline to calculate foreseen yield for a standard cartridge of MARAPI.

$$L = 280 / (A * P)$$

Where:

L = Length of sealant in metres obtained per cartridge of 300 ml.

A = Width of the joint in mm.

D = Depth of the joint in mm.

### Further treatment:

MARAPI must not be protected from the weather conditions. It can be painted any acrylic or alquidic paint, as long as it is sufficiently elastic.

### Adherence:

Good adherence on sheets of metal, galvanized sheets of metal, steel, aluminium, copper, brass, wood, polyester, PVC, painted or lacquered surfaces.

When the adherence result on the chosen support is not known, please test it or consult our technical department.

# MARAPI

## 7. STORAGE

Keep in a cool, dry place. Lifetime: 12 months cartridges.

## 8. PRESENTATION

Plastic cartridges of 280 ml. (Thick cartridge) 24 cartridges per carton.

## 9. COLOURS

White

## 10. CLEANING

Fresh product is easily removed with an organic solvent. When cured it can be removed by mechanical mean only.

## 11. SEGURIDAD E HIGIENE

While curing MARAPI issues small quantities of methanol. These vapours must not be inhaled for prolonged periods of time or in high concentration levels. Therefore, the working area should be well ventilated. All contact of the product with eyes or mucous areas must be avoided. When contact occurs, rinse the affected area thoroughly with plenty of water and, if needed, see a doctor.

The rubber resulting after curing can be handled without risk.

Use gloves, and in case of splashing, wash with industrial detergent when the product is still fresh.

DO NOT WASH HANDS WITH SOLVENTS.

*For more information request Safety Data Sheet*

## 12. LIMITED WARRANTY INFORMATION

PLEASE READ CAREFULLY

The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customers' tests to ensure that FIORA's products are safe, effective, and fully satisfactory for the intended end use.

## 13. COMMENTS

Manufactured for FIORA BATH COLLECTIONS  
S.L.U. by ES-B28108223