

# Resina aromática

100% solids aromatic resin



## Description

Aromatic resin is based on a 100% solids **Polyether-Polyol Polyurethane Resin** type MDI; without volatile monomers and free of TDI. It is specifically designed to agglomerate rubber granules of different granulometries for the manufacture of sports flooring and playground systems. Binder that cures through environmental humidity.

## Observations

- The substrate must be clean, dry, free of oil and grease residues and with a roughness of 70 µm between ridges and valleys.
- Apply the pavement with environmental conditions of temperature 15-30 °C and humidity 50%-80%.

## Characteristics

- Dough life: ±45 min. (20°C)
- Workability: ±60 min.
- Minimum thickness: 10 mm
- Thickness per layer: 10-40 mm

### Drying

- At 23 °C and 90% relative humidity: >7 h.
- At 23 °C and 40% relative humidity: >19 h.
- At 23 °C and 40% relative humidity: >19 h.
- Commissioning (23 °C): >24 h.
- Total hardening: >5 days

*\*These times may vary considerably depending on ambient temperature and relative humidity.*

## Specifications

- Appearance: viscous light brown liquid
- Density, 20°C: 1,1 g/cm<sup>3</sup>
- Viscosity, 23°C: 3200 mPas
- Percentage of NCO: 10%.
- Equivalent weight: 420
- Flash point: > 200 °C
- Store in a cool, dry place, indoors.
- The percentage of binder to agglomerate the rubber ranges from 10-20% depending on the size of the rubber granules and color.

## Storage

- Store in a cool, dry place indoors.
- Avoid unnecessary opening of containers
- Once the container is opened, the resin starts to react and will form a light film on the surface.

*\*The containers must be used in their entirety, otherwise they will lose their initial performance over time.*

## Recommendations

- Application temperatures between 5 - 25°C
- Do not apply in permanent state of intense cold, since the product could lengthen its time of putting into service.
- It is not recommended the application of the product on paints, old plasters, easily friable supports that can detach with the application of the pavement.
- Do not apply on non-absorbent substrates.
- It is not recommended to use this Aromatic Resin with blue, yellow, white rubber granules because it yellows with the sun's UV rays.

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## Performance conditions

- The supports must be healthy, stable and resistant, exempt of dust, plaster, paint...
- Eliminate the deteriorated parts and in state of degradation, until arriving at the solid, resistant and absorbent support.
- The paraments of powdery nature must be consolidated with **F-600**.
- On surfaces without absorption, very smooth or little absorbent, pickling and open pore to ensure a good adhesion.
- Avoid the application of the coating with low temperatures, low relative humidity, rain because it could lengthen the time of commissioning.

## Usage way

### First Elastic Base Coat:

Apply as a primer a coat of Aromatic Resin at a rate of 0.15 Kg/m<sup>2</sup>. At the same time, in a planetary mixer, mix the **SBR Encapsulated Rubber** chippings with 10% of aromatic resin. Shake for 5 minutes until all the rubber chippings are wetted with the resin. Pour the resulting mass on the surface, spread with a trowel and compact by pressing the trowel in light 180° movements.

Drying time 8 h.

### Second layer EPDM color:

After 8 hours of the first coat of **Elastic Base**, mix the **EPDM Rubber** chippings of the desired color with 12% of Aromatic Resin and shake for 6 minutes until all the chippings are wetted with the Resin. Pour the resulting mass, spread and compact the same as the previous one.

Allow to dry for 8-17 h.

### \*Optional:

#### Colorless Extra-Protectant Seal Coating

Dilute the Aromatic Resin with 40% of **Acetone Solvent**.

Apply the resulting mixture on the surface to be sealed with a short haired roller.

Approximate consumption 0,12 Kg/m<sup>2</sup>

## Associated products

- Resina alifática
- Caucho SBR
- Caucho EPDM
- Disolvente acetona
- F-600



## Packing

SBR rubber: 25 Kg bag

EPDM Rubber: bag 25 Kg

Aromatic Resin: 25 Kg container

## Color

SBR Rubber : Black

EPDM rubber: Oxide red, bright red, oxide green, apple green, yellow, orange.

\*\*Other colors on demand

## Consumption

Consumption	Material	Kg/m <sup>2</sup>
Primer	Aliphatic resin	0.15
	Elastic Base layer	25 mm
	Black SBR Rubber	10%
	Aromatic Resin	2
	Colored EPDM rubber	12%
	Aromatic Resin	1.2

## Preservation

In sealed original packaging and protected from weather and humidity: 1 year

## ⚠ IMPORTANT

The observations and prescriptions of this data sheet, although corresponding to our best experience, should be considered, in any case, purely indicative, and should be tested by exhaustive practical applications; therefore, before using the product, the user must establish whether or not it is suitable for the intended use, and assumes all liability that may arise from its use. Once the product has been handled or applied, the manufacturer shall not assume any claim whatsoever, nor any liability as to the manner, mode and conditions of application.