

## TECHNICAL DATA SHEET

### PU 2621 POLYURETHANE BLACK MASTIC

#### 1. Product Description

It is a one component, moisture curing, polyurethane based filler and insulating material.

#### 2. Properties

- Single component.
- Can be applied by gun easily.
- Has Thixotropic property.
- Cures with moisture of air.
- Can be painted.
- Does not shrinkage.
- Resistant to weather and water.
- It has permanent elasticity.

#### 3. Technical Properties

Chemical Structure: Polyurethane

Curing Mechanism: Atmospheric Humidity

Specific Weight:  $1.15 \pm 0.03$  g / cm<sup>3</sup> (DIN 53479)

Surface Drying: 60-90min. (25°C and 50% relative humidity)

Curing Speed: 2 mm / 24 hours (25°C and 50% relative humidity)

Hardness (shore A):  $40 \pm 5$  Shore A (ASTM D 53505)

Elongation at Break:  $\geq 500\%$  (DIN 53504)

100% Elongation Module: $> 0.4$ Mpa (DIN 53504)

Tensile Strength: 10 N / mm

#### 4. Application and Usage Areas

Application Temperature: +5 ° C to + 35 ° C

Heat Resistance (cured): -30 ° C to + 80 ° C

Application surface must be clean, dry, dust-free and oil-free. Apply primer if necessary. If necessary, brush metal surfaces before application. After the surface oil has been cleaned, let it dry.

It is recommended to clean concrete surfaces with metal brush.

- It used for production and maintenance of sea vehicles , automobiles and trucks.
- It has adhesion properties to cement based building materials, brick, ceramic, marble, glass, wood, galvanized sheet, aluminum and many plastic surfaces.
- In the construction sector, in the gaps between the structural elements
- In the assembly of aluminum, PVC, wood joinery and joints.
- Used for laying roof tiles.

#### **Usage:**

- Can be applied with manual or air gun.
- After application, the joint should be softened with soapy water.
- It should be used within 24 hours after opening.
- Do not apply at temperatures below 5 ° C.
- In cold weather, store the product at 20 ° C before use.
- It is not used on concrete surfaces with bituminous, natural rubber, EPDM rubber surfaces or oil, plasticizer or solvent.
- If moisture-vapor permeability is applied on the surface , it may cause bubble formation in the mastic.
- Make sure that no air remains when applied.
- When exposed to ultraviolet rays, there may be a slight color change in gray and white.
- Keep alcohol and other solvents away during curing.
- Thickness of the sealant to be applied max. 12mm, min 0.5 mm.

#### **Cleaning :**

Apparatus used before product curing can be cleaned with alcohol or acetone. It is cleaned mechanically after curing.

#### **Chemical Resistance :**

It is resistant to water, sea water, dilute alkalis, concrete group and water based detergents. There is no resistance to alcohol, organic acids, concentrated alkalis and acids, chlorinated (hydrocarbon) fuels.



## 5. Packing

CODE	PRODUCT NAME	PACKING	PARCEL
5514	PU 2621 POLYURETHANE BLACK MASTIC	300 ml. CARTRIDGE	25
5515	PU 2621 POLYURETHANE GREY MASTIC	300 ml. CARTRIDGE	25
5525	PU 2621 POLYURETHANE WHITE MASTIC	300 ml. CARTRIDGE	25
5521	PU 2621 POLYURETHANE BLACK MASTIC	600 ml.	25
5522	PU 2621 POLYURETHANE WHITE MASTIC	600 ml.	25

## 6. Colour

White, black, gray

## 7. Shelf Life

Store in a cool and dry place.

The shelf life of the product is 12 months when stored between + 5 ° C and + 25 ° C.

## 8. Attention

Keep out of reach of children.

Avoid skin contact.

Avoid contact with eyes.

Use in a well-ventilated place.

Do not breathe vapors.

Do not smoke when using the product.

## 9. Health and Safety

For safe handling, storage, disposal information and other information, see the Safety Data Sheet.

