

YAPIFINE GOOP® HM

High Modulus Polyurethane Based Sealant



Product Definition

One component, high modulus polyurethane based sealing material that is cured with atmospheric moisture.

Areas of Use

- Indoor and outdoor spaces,
- Horizontal and vertical dilatation joints,
- Surfaces of cement based construction materials, brick, ceramic, glass, wood, galvanized sheet, painted sheet,
- Filling joints of building elements in construction industry,
- Roof tiling,
- Filling gaps between wall and joinery in assembly of PVC and wooden door and window joinery,
- Joints of prefabricated elements.

Advantages

- Single component.
- Polyurethane based.
- Easy to apply with gun.
- Does not sag.
- Can be painted over.
- Resistant against water and weather conditions.
- Resistant against aging and UV rays.
- Maintains elasticity in varying weather temperatures.


Technical Specifications

Appearance	White, Grey, Black
Density	1.15 kg/L ± 0.03
Application Temperature	Between +5°C and +30°C
Service Temperature	-30°C / +80°C
Initial Curing	2 mm / 24 hours
Mechanical Strength	48 hours

Full Strength	7 days
Elongation on Rupture	≥ 500 %
Hardness (Shore A)	40 ± 5
100 % Elongation Module	0.4 Mpa
Tensile Strength	10 N/mm

* Hereby technical values and product application instructions are obtained in the wake of tests conducted in environment of +23±2°C temperature with relative humidity of %50±5. Higher temperatures will shorten the time span, while lower temperatures will extend it.

 Packaging	600 mL sausage
--	----------------

 Consumption	1.20-1.30 g/linear meter		
	Joint Width (mm)	Joint Depth (mm)	Joint Length (600 mL sausage/m)
	10	8	7.5
	15	8	5
	20	10	3
	25	12	2
	30	15	1.33

Surface Preparation

The surfaces should be clean, smooth, even and dry and weaker particles should be removed from the surface.

Avoid application on humid surfaces.

Before application the joints should be thoroughly cleaned with a wire brush, spiral or sandblasting. The joint space should be dusted by blowing air into it.

In order to keep the sealant from spreading around and to make it come out smoothly, a masking tape is used on the upper part of the joint, without the tape reaching the center of the joint. The joint width should not be less than 6 mm. The joint widths should be between 10-30 mm and the depth should be between 6-15 mm.

(Approximate ratio: depth/width = 1/2). In order to adjust the aforementioned values, base material (polyethylene fuse etc.) should be used inside the joints.

Mixture Preparation

YAPIFINE GOOP HM is ready for use.

Application Information



The sealant sausage is placed into the sausage gun and is then moved forward by pulling on the trigger. The material is applied without allowing air to get into the joint.

In wide joints, in order to get the sealant to have contact with both the edges and the base, more than one application with the gun might be required.

The surface on a filled joint should be smoothed and evened with the joint spatula and the masking tapes should immediately be removed from the surface without deforming the shape of the joint.

Application Conditions

Ambient temperature: between +5 °C and +30 °C.

Joint surfaces of application should be dry and free of moisture.

Make sure that the applied sealant adheres to the inner surfaces of the joints but not to the bases.

Varying surfaces and air temperatures may affect service and drying time.

YAPIFINE GOOP[®] HM

High Modulus Polyurethane Based Sealant



Application Conditions (Continuation) _____

After application, the area should be protected against adverse weather conditions such as direct sunlight, wind, high temperatures (above +50°C), rain and frost.

After application, clean the tools and equipments with an appropriate solvent.

Resistant against water, seawater, diluted alkalis, concrete grout and water-based detergents. Not resistant against alcohol, organic acid, concentrated alkali and hydrocarbon fuel.

The final consumption amount might vary depending on application conditions and surface characteristics.

Shelf Life _____

The shelf life of the product is 12 months when it is stored on wooden pallets in a cool, dry and moisture free environment with an ambient temperature between +10°C and +25°C.

Safety Precautions _____

The operator should be wearing proper work attire, goggles, mask and protective gloves appropriate to work and worker safety regulations.

In case of contact with the eyes, rinse with plenty of water before seeking immediate medical attention.

Rinse with plenty of water in case of contact with the skin.

During the application smoking should not take place and fires shouldn't be lit.

For further information on the safe handling of this product please read the Safety Data Sheet (SDS).