

# YAPIFINE GOOP® DILATATION

TPE Dilatation Tape



## Product Definition

Highly elastic, thermoplastic elastomer based dilatation tape for insulation of dilatation spaces, thermal expansion joints and cracks.

## Areas of Use

- Any kind of building dilatations,
- Horizontal and vertical applications,
- Underground sections of foundations and shear concrete,
- Water tanks, pools, potable water and wastewater treatment facilities,
- Tunnels and culverts,
- Insulation of cold joints.

## Advantages

- Easy to apply thanks to epoxy adhesive.
- High elasticity.
- Features high levels of adherence.
- Has the ability to bond with itself via heat.
- Resistant against diluted acidic and alkali solutions.
- Resistant against ozone and UV.
- Resistant against plant roots.

## Technical Specifications

Appearance	Grey	Elongation at Longitudinal Rupture	630 %
Size	Width: 20 cm Thickness: 1 mm	Latitudinal Rupture Elongation	990 %
Service Temperature	-60°C/+80°C	Tearing Strength	≥ 47 N/mm <sup>2</sup>
Thermal Source Temperature	250°C	Tensile Strength	≥ 6.6 MPa
Hardness (Shore A)	75	Pressurized Water Strength	8 bar
Bursting Pressure	≥ 4 Bar	Reaction to Fire	B2

\* 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.

 <b>Packaging</b>	20 m roll in cardboard box
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## Surface Preparation

The surface should be cleaned of all residual materials such as dust, oil, dirt, paint, curing materials, bitumen and other foreign substances that would prevent adhesion.

The plaster and weak particles that do not adhere to the surface well enough should be removed from the surface prior to the application.

If there are abnormalities and/or defects on the application surface these should be repaired with YAPIFINE MEND POWER.

## Application Information

YAPIFINE MEND EPOXY 2C applied on both sides of the dilatation approximately 1-1.5 mm thickness and 40-50 mm width by trowel or spatula.

In order to ensure good adhesion the adhesive should be applied really well onto the surface.

The areas where tape application will be done are determined and the tape sizes are adjusted accordingly.

The dilatation band is placed onto its adhesive side and with the help of a roller, it is made sure that the band makes thorough contact with the epoxy mortar. The mortar is observed to be coming out of the holes on the band.

Likewise, the epoxy mortar is applied on the top side of the band as well. With the help of a spatula the mortar is

smoothed and evened out all the while paying attention that the mortar does not cross over into the joint space.

In case there will be additional band applications, the bands are placed such that the overlap length between them is 10 cm. Hot air is blown onto the overlapping parts so that they melt and are melded together.

During this process, it is recommended to use low temperatures just enough to melt the bands and meld them together in order to avoid deforming the bands.

The bands shouldn't be moved or lifted up until the adhesive mortar has thoroughly dried and hardened.

## Application Conditions

Application shouldn't be done on surfaces that were exposed to direct sunlight for too long, surfaces that are too hot or surfaces that are frozen."

Optimal ambient temperature is between +5°C and +30°C, if the temperature is not within these limits, then the application shouldn't take place.

The application area should be protected from the wind or direct sunlight during the application process.

Before and after the application, it should be paid attention to that the sharp and piercing tools do not damage the structure of the product.

## Shelf Life

The shelf life of the product is 24 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.

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