

## Epoxy Adhesive for TPE (Thermoplastic Elastomer) Dilatation Band

### Product Description

It is a two component high strength epoxy material which is used in bonding and repair works in thixotropic consistency specially developed for bonding TPE dilatation tapes used for water insulation in dilatations in horizontal and vertical applications.

### Usage Areas:

- When bonding dilatation tapes to concrete,
- When repairing or fixing all kinds of concrete, marble, stone materials
- Used for adhering materials such as tiles, granite to polished surfaces.

### Features and Benefits:

- Material is very easy to apply.
- Water and gas impermeable.
- Resistant to chemicals and abrasion.
- Provides excellent tolerance to concrete
- Do not retract.

### Application details:

**Surface Quality:** The application surface should be free from all kinds of dust, dirt, weak and volatile particles, cement grout residues, oil and grime and dry. The concrete substrate must be clean, strong and have sufficient compressive strength (at least 25 N / mm<sup>2</sup>) and tensile strength (pull-off) of at least 1.5 N / mm<sup>2</sup>.

**Surface Preparation:** Surfaces to be treated should be cleaned with oil and de-icing, loose particles and grease, rust residues which can reduce adherence. Surface defects should be corrected with epoxy repair mortar. For best results, air should be kept in before the dilation band is applied to the dilation edges

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**Surface and Ambient Temperature:** Minimum + 5 ° C maximum + 30 ° C

**Application Instructions :**

**Stirring:** After component B has been added to component A, stir for 2-3 minutes until a homogeneous color with a low speed, electric stirrer (up to 400 rpm) is obtained.

**Application Method / Equipment :**

With the aid of a spatula or trowel, 40 / 50mm wide and 1 / 1.5mm thick epoxy adhesive is applied to both sides of the dilatation. The epoxy is applied with the aid of a trowel to ensure that the adhesive is applied perfectly and the applied floor is thoroughly plastered. Dilatation band is cut to the appropriate length. (lap size 40 / 50mm) with hot air gun .

HYDROFLEX TPE (Thermoplastic elastomer) dilatation band with a minimum of 400% elasticity when the first layer of epoxy adhesive is in fresh form is applied by pressing the epoxy adhesive. The epoxide unbonding part of the TPE dilatation band is freely released into the dilatation joint. All the epoxy adhesive is applied in such a way that the second layer is again hardened to the outer part with a thickness of 1 / 1.5mm after the first layer epoxy adhesive has hardened slightly.

The epoxy adhesive on the sides of the TPE dilatation tape must not be moved until fully hardened, protected against water and mechanical impact. The drying time of the adhesive may vary according to hot and cold weather conditions. Applications should not be carried out at temperatures below + 5 ° C.

**Consumption:** Approximately 1,50 kg / metric tons depending on the concrete surface and workmanship.

**Cleaning:** Material spilled around and contaminated with application equipment can be cleaned with cleaning Tannery.

**Potlife:** Approximately ~ 30 minutes at 20 ° C

**Cleaning Time:** Approximately 2 hours at 20 ° C

**Application Notes / Limitations:**

- It should not be applied if the temperature is below + 5 ° C.
- Solvent-free, can not thinned with thinner.
- When mixing and applying, use rubber gloves and work gloves to protect your skin and eyes from exposure. Especially eyes should be carefully guarded.

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- In case of accidental splashing, rinse with plenty of water for about 15 minutes and consult a physician immediately.
- Do not add any foreign material, water into the product.
- In extreme hot weather, the mixture should be made to be consumed as the product will harden immediately when mixed.

**Technical Information:**

Colour (A+B)	Grey
Density	1.70 kg/lt.
Compressive Resistance	75 N/mm <sup>2</sup>
Adhesion to Concrete	3,0-4,0 N/mm <sup>2</sup> (rupture from the concrete)
Adhesion to Steel	2,0-3,0 N/mm <sup>2</sup>
Mix Proportion	3A / 1B (By weight)
Application Time	30 minutes (in +20°C )
Full Resistance	7 days

**Packing:**

5 kg. Ready set.

**Storage Conditions / Shelf Life:**

It is 12 months in its unopened original packaging. It should be stored above 5 ° C.

**Notes:**

All technical data contained in this product data sheet are based on laboratory tests. The actual data obtained is Arfen İnşaat Taah. San.ve TİC. A.S. May vary due to circumstances beyond its control.

**Local Limitations:**

Please note that due to local regulations, the performance of this product may vary from country to country. Please refer to the local product information leaflet for exact recipes of application areas.

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## Health and Safety Information:

Users should refer to the material safety data sheet (MSDS) of the product for information and recommendations on the safe transport, storage and disposal of chemical products, including physical, ecological, toxicological and other safety related information.

## Legal Notes:

Technical information on **ARFEN INS.** products, especially recommendations for application and end-use. **ARFEN INS.** recommendations are based on the knowledge and experience that **ARFEN INS.** has in its possession and where it has been stored under appropriate conditions. The products, application surfaces and application areas are very diversified. When using **ARFEN INS.** products, make sure that you apply the correct product, the right way, the correct application conditions and the right place. We strictly abide by the information and instructions given by **ARFEN INS.** regarding commercial availability and / or compliance with a specific purpose. **ARFEN INS.** is not responsible for damages that may otherwise occur. The Building Chemicals Practitioner should test the suitability of the product for the intended application and purpose. **ARFEN INS.** reserves the right to change the properties of its products. The property rights of third parties must be observed. The acceptance of all orders will be based on our current terms of sale and shipping. Users should refer to **ARFEN INS.** for the latest edition of the local Product Data Sheet of the respective product.

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