

# Teknomer 300

## Acrylic Based Elastic Waterproofing Material



CE TS EN 1504-2 ve EN 14891

Public Pos. No: 04.509

**Product Description** Elastomeric acrylic resin based, single component, elastic waterproofing material.

### Areas of Usage

- Water storage, swimming and ornamental pools,
- On the sloping roof terrace,
- Wet spaces such as bathroom, wc, balcony,
- Silo warehouses and exterior of the buildings,
- It is used as elastic waterproofing material on reinforced concrete, galvanized sheet, polyurethane foam, zinc, PVC fringe, hidden creek surfaces.

### Features and Benefits

- Resistance to long-life cracking is high because flexibility at low temperatures is high.
- Full impact resistance (important for terraces).
- Very good adherence even on difficult surfaces.
- Very good protection against carbonation.
- Very good resistance to polluted water passage.
- Apply directly by brush or roller.
- It can be painted and coated with ceramic.

### Application Instructions

**Surface Quality:** The surfaces must be clean, smooth, solid, free from any antiadhesive substance such as dust, oil, dirt, rust, mold oil, detergent and waste. If there is segregation in concrete, it should be discarded and loose parts should be removed, weak parts should be removed. If there is crack, hollow on the floor or wall to be applied, it should be repaired with appropriate TEKNOREP repair mortars. The application of the Teknomer 300 should be started 3-4 days later.

Make sure that the slab or concrete is thrown in the direction of the water stream. The correct control of the curve is made in the following way. Beginning from the beginning to the gauge, put a scale on it. If it is determined that there is no inclination or reverse slope in the control result, the application should not be started and the direction of the water flow should be adjusted by performing concrete and slab treatment. If necessary, additional screed or concrete must be poured. **Surface Preparation:** Water should be removed on the surface and removed if there is ponding. Teknomer Pah Bandi should be applied to all the corners beforehand on ceramic floors and wet rooms and balconies.

### Application Notes / Restrictions

- Foreign materials should not be added.
- Protection is required to obtain long-term performance expected from the product. After application tiles, ceramic, plaster, screed should be made after 3 days to protect against any punctures, scratches and bumps.
- Application should be avoided in very humid and / or very hot weather.
- It should not be applied on surfaces that are frozen, melted or dangerous to frost within 24 hours.
- It is mixed in a clean container which is free from all kinds of materials that prevent adhesion or in a low speed mixer in its package until a homogeneous mixture without lumps is obtained. Mixing time should be minimum 5 min.

- After TEKNOMER 300 is thoroughly mixed and rested, the water is applied to the saturated surface with the aid of a brush and / or trowel without losing its moisture.
- 50% water can be added to TEKNOMER 300 depending on the absorbency of the surface. After drying the primer coat, the first coat of Teknomer 300 is applied to the entire surface with a roller or brush. If desired, it can be used as carrier glass fiber, reinforcement throughout the floors. The waiting time between coats is at least 5 hours. After the application of the 1st coat, it can be applied to the other floors when there is no trace on the fingers. If desired, it can be used as carrier glass fiber, reinforcement throughout the floors.
- If the first coating application is made from left to right, the Teknomer 300 should be applied after the dry layer and the second layer should be in the perpendicular direction.
- TEKNOMER 300 is curing with air. The curing time is long at low temperatures and the time is short at high temperatures. If a water test is to be carried out or to be manufactured on it, it is necessary to make sure that the product is completely dried and hardened. Otherwise, you should avoid making the application.
- It must be protected after application against adverse weather conditions such as direct sunlight, high air temperature (above +35°C), rain and frost. The product should be cleaned thoroughly with water and detergent before it is fully cured and hardened.
- Immediately after application, before hardened, the equipment should be cleaned with water. After the product is hardened, it should be cleaned by mechanical methods.

#### Technical Data

| General Information              |   |
|----------------------------------|---|
| Color                            | White   |
| Appearance                       | 20 kg bucket  |
| Shelf Life                       | 12 months in unopened package in dry environment              |
| Application Information          |   |
| Time to put into Service         | At least 3 days   |
| Waiting Time Between Coats       | 5 hrs   |
| Water Proof Time                 | 7 days  |
| Consumption                      | 1,53 kg/m <sup>2</sup> (For 1 mm Dry Film Thickness)          |
| Performance Information          |   |
| Adhesion Strength                | ≥ 1.0 (28 days) N/mm <sup>2</sup> (TS EN 1542)                |
| Water Transfer Rate              | < 0.1 kg / m <sup>2</sup> . h <sup>0.5</sup> ) (TS EN 1062-3) |
| Water Vapor Transfer Rate        | <0.6 gr / (h. cm <sup>2</sup> ) (TS EN ISO 7783-2)            |
| Tempered Product Heat Resistance | (-25°C) - (+80°C)   |
| Last Resistance Time (Days)      | 14 days   |
| Crack-Bridging                   | > 2,5 mm (EN 1062-7)  |
| Elasticity                       | % 200-300   |
| Fire Response                    | Ds1d0   |
| Standard Scope                   | TS EN 1504-2 and EN 14891                                     |

Technical data are approximate values obtained from the laboratory study of Tekno Construction Chemicals for finished products obtained at +20°C air temperature and 50% relative air humidity and valid for its performance after 28 days.

