

# Teknomer 400

Solvent Based, Bitumen Rubber,  
Waterproofing Material



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<b>Product Description</b>	TEKNOMER 400 is a modified, bituminous and solvent based, one component, use is a ready to use bitumen solution. After evaporation of the solvent inside it, it strongly adheres to the surface where it is applied, forming a water resistant film layer.
<b>Areas of Usage</b>	<ul style="list-style-type: none"><li>• Retaining and curtain walls,</li><li>• Against floor humidity and leaking waters,</li><li>• On the reinforced concrete terrace,</li><li>• Against the rainy waters on the balconies and the hidden rivers,</li><li>• In the insulation of the gallery, drainage and waste water ducts and collectors,</li><li>• It is used in the isolation of open water for storage and against water and moisture in pools.</li><li>• The protection of metal surfaces (casting, sheet metal, etc.) against corrosion can be applied by immersion, spraying or spraying.</li><li>• It is used as a primer in bituminous membrane applications on metal surfaces.</li></ul>
<b>Features and Benefits</b>	<ul style="list-style-type: none"><li>• Ready to be applied.</li><li>• Must be applied cold, does not require heating and thinning.</li><li>• It will dry very quickly.</li><li>• It creates a continuous insulation film without joints.</li><li>• It has crack bridging feature.</li><li>• It has elastomeric property.</li></ul>
<b>Application Instructions</b>	<p>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 are cracks and cavities in the floor or wall to be applied, repair it with appropriate TEKNOREP repair mortar. Teknomer 400 should be applied after 3-4 days.</p> <p>Surface Preparation: The surface to be insulated must be dry. Water puddles should be removed if there is pond watering. TEKNOMER 400 If there is dilatation of the structure before applying the primer, isolation of the dilatation with TEKNOMER Champer Tapes and TEKNOBOND 400 D is necessary. Later isolation of dilatations is more difficult and costly.</p>
<b>Application Notes / Restrictions</b>	<ul style="list-style-type: none"><li>• Foreign materials should not be added.</li><li>• It should not be applied under direct sunlight.</li><li>• It should be applied in two layers.</li><li>• It should not be applied in the rain.</li><li>• The product should not be diluted with water.</li><li>• Newly applied material is finished to cure, etc. until rain. it must be protected against weather conditions.</li><li>• Teknomer 400 is mixed in a clean container or in its own container, which is free from all sorts of obstruction-free materials. The product is mixed with a low speed mixer until a homogeneous mixture without lumps is obtained. Mixing time should be minimum 5 min.</li></ul>

- 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 TEKNO Thinner. After the product is hardened, it should be cleaned by mechanical methods.
- The mixture is applied to the surface with finished, ready to use product, hard bristle brush or spraying machine. After the material completes the reaction, 2. coat application is made in the perpendicular direction of the first coat application. The waiting period between floors is at least 1 hour, and when there is no trace on the fingers in hand control after application of the first coat, it can be passed to the other floors. If desired, it can be used as carrier glass fiber, reinforcement throughout the floors.
- Since the product does not have UV resistance, it is absolutely necessary to use heat insulation plates, protection plates, geotextile felt, should be covered with.

## Technical Data

General Information	
Color	Black
Package	18 kg tin
Shelf Life	12 months in unopened package in dry environment
Application Information	
Density Liquid	0,96 ± 0,03 kg/lt
Solid Matter	75% (± 1,00)
Softening Temperature	+ 80°C
Temperature of Application Floor	(+5°C) - (+30°C)
Heat Resistance of the Cured Product	(-25°C) - (+80°C)
Manner of Application	Brush, Roller, Spray
Performance Information	
Initial Drying Time	1 hour (20°C)
Full Drying Time	24 hours (20°C)
Breaking Elongation	1000
Elastic Return	90 %

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 27 days.

