

# TilLar® (HighBuild S-500)

## Waterproofing glue-mastic

**Liquid Rubber TilLar®** - it is a waterproofing high viscosity glue-mastic, modified with polymers with the addition of inert fillers. The material is not subject to the damaging effect of UV, alkalis, salts, a number of acids and it is resistant to biodegradation. It has no odor, and is water based.

**TilLar®** - is the latest product created with the purpose of reinforcing and cheapening the process of tiling, stone, marble and plastic laying, and other coating materials in the bathroom, water closets, basements, balconies, terraces and wherever necessary in order to protect the surface from water and moisture. The use of bitumen-rubber glue TilLar® allows to carry out floor waterproofing and laying of any cladding material just in one operation. Due to the fact that the material is a dense mass with an inert filler, TilLar® is to be applied with a spatula - comb as an ordinary cement tile glue. When using the glue on a porous base as a screed, it is recommended to process the surface with a primer.

PRODUCT PHYSICAL DATA	
Color	from brown to black
Density	Aproximadamente 1380 g/dm <sup>3</sup>
Harmful volatile substances	It does not contain solvents
% del contenido en solidos	78-80 %
Viscosity	2500 mPas
pH	10-12

PHYSICAL PARAMETERS OF THE COATING	
Coating thickness	1,5 -2,5 mm
Adhesion strength	1,90 mPa
Breaking elongation	150%
Form recovery	100%
Adhesion on concrete	1,90 mPa
Heat resistance at 90 ° C for 5 hours.	Blisters, breaks and leaks have not been detected
Waterproofing withing 72 hours at a pressure of 0.01 mPa	Not identified
Waterproofing during 72 hours at a pressure of 0.03 mPa	Not identified
Flexibility at minus 20° C (R = 40 mm)	Cracks on the surface have not been identified
Breakdown strength	Pass
Hardness, Shore A	75-80
Hardness, Shore B	15-18
It does not contain volatile organic compounds	
NON-TOXIC WATER BASED	
Resistance to freezing cycles	At least 450 cycles
Vital capacity of mastic	4 hours

## SCOPE OF APPLICATION

**Liquid Rubber TilLar®** is a powerful glue-mastic which can be applied both on horizontal and vertical surfaces. When it fully gets dry, it forms a waterproofing, seamless flexible coating with improved performance and adhesive properties. All types of cladding materials can be glued on TilLar®: ceramics, plastic, marble, artificial stone, PVC, plastic, wood and etc.

## CHARACTERISTICS

This is a hybrid product, creating a seamless waterproofing coating in order to protect any building structures that are subject to constant exposure of water, most solutions of acids, alkali, oxidation and aging processes. Due to the high percentage of component polymers and high-quality inert fillers, it is suitable for use in harsh conditions.

**Liquid Rubber TilLar®** is a frost-proof material, it is non-toxic and non-flammable. The material has a noise absorbing effect. When it fully gets dried it can be subject to freezing and de-freezing cycles for more than 450 times.

## APPLICATION OF MATERIAL

**Liquid Rubber TilLar®** is applied by a comb. TilLar® - is a glue, ready for use, it is applied in liquid form and after it fully dries it forms a flexible elastic membrane able to withstand loads and vibrations. It does not form cracks and does not flake. The glue has very good adhesion.

## WARNING

Keep away from children. Avoid storage at temperatures below + 5 ° C. Please, before using refer to the technical safety data sheet for **Liquid Rubber TilLar®**.

**The shelf life is 6 months from the date of manufacture specified on the package.**

Consumption depends on the desired coating thickness. To obtain the thickness of coating of 1.5 mm, mastic consumption makes up  $\approx 2,0 \text{ kg} / \text{m}^2$ .

When the ambient temperature is  $+ 25^\circ \text{C}$  and the relative humidity is 50%, **TiLar®** fully dries within 24 hours. The time required for drying increases with the decrease of temperature and increase of relative humidity.

**Before applying the glue has to be mixed with a constructional mixer at medium speed until you get a homogeneous mass!!!**

The surface to be coated with TiLar®, has to be cleaned off dirt, debris, oils and grease. The product should not be applied at ambient temperatures below  $+ 5^\circ \text{C}$ , or, if rain is expected within the next 24 hours.

Opened packaging TiLar ® may be used within 4 hours without the loss of product quality.

### RESTRICTIONS

**Liquid Rubber TiLar ®** is a medium-alkaline substance. During the application of this product, please follow the rules of safety, wear gloves, goggles and other proper protective equipment. For more information, refer to the technical safety data sheet of the product.

**Liquid Rubber TiLar ®** should not be applied at an ambient temperature below  $+ 5^\circ \text{C}$  (lower than  $-10^\circ \text{C}$  in case of the "winter" series). Do not apply on wet or frozen surfaces, or shortly before the rain.

### PACKAGING:

- 25 kg – cubo



- 12 kg – cubo



- 7 kg – cubo



### STORAGE

The material should be stored in an intact sealed packaging in a dry place. The shelf life is 6 months from the date of manufacture specified on the packaging.

### WARNING

Please refer to the technical safety data sheet for Liquid Rubber DaLar® before using it.

**For any questions, please contact technical support:**

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**or your regional representatives**