

# LIQUIGUM SUPER

## DESCRIPTION OF THE PRODUCT

Water-based elastomeric coloured liquid waterproof membrane resistant to ponding water created with polymers and copolymers of the highest quality. The product is 100% solvent-free, and therefore is to be considered of almost no environmental impact. Formulated by Valli Zabban Research & Development laboratories.

## USE FIELDS

LIQUIGUM SUPER is applicable on roofs, fibre-concrete slabs, wood panels or OSB, balconies and terraces subject to occasional pedestrian traffic, concrete canopy, old bitumen membranes and attics. The product can be applied on concrete, wood, fibre-cement, brickwork, to fix damaged bitumen membranes and expanded polyurethane. Surfaces treated with LIQUIGUM SUPER shall be smaller than 50m<sup>2</sup>. LIQUIGUM SUPER has got an exceptional resistance to U.V. rays, to high and low temperatures and even towards critical weather conditions.

## SURFACE PREPARATION

Accurately clean the support to eliminate: dirt, dust, loose materials and foreign or bonding-proof matters. The application must be applied on a dry surface. Even if the product can bear a percentage of humidity in the substratum between 3 and 5%, it is always advisable to check for the presence of hidden humidity in the substratum to avoid phenomenon of vapour tension. Apply LIQUIGUM FIX to improve the adhesion of LIQUIGUM SUPER on dusty surfaces.

## RECOMENDATIONS

Do not add additives  
Do not use if the container is damaged  
Do not add water e/or solvents

## WARNING

The product must be applied in environmental conditions suitable to guarantee its full drying in the shortest possible time. Therefore, do not apply the product on frozen surfaces or subjected to night chill, in presence of elevated night humidity or with rainy weather. Protect the product for 24 hours since it is applied from water, rain and snow. Apply the product at temperatures between +5° and +35 °C

## APPLICATION

The product is ready to use and can be applied with roller, brush, large paintbrush and airless gun. Allow the product to dry before applying the following layers: the application must be made only on fully dried surfaces and with the product previously applied completely cured.

For corners reinforcement and sealing, it's advisable applying VZ SEAL BAND, self-adhesive band covered with non-woven. For waterproofing and sealing around roof penetrations such as drain, ventilation pipes, other roof penetrations or around plumbing pipes and drains, use VZ SEAL PAD, self-adhesive butyl square pad, together with VZ SEAL BAND.

## SURFACES WITH JOINTS

Seal joints up to 1 cm wide, using VZ JOINT BAND (waterproof elastic band, made of rubber and polyester fabric, suitable for waterproofing joints), as described below:

After making new joints or restoring the existing ones, apply LIQUIGUM SUPER laterally to the joint and for a width that is larger than the joint cover.

Lay the joint cover placing the perforated side strip on the area already treated with LIQUIGUM SUPER, that must be wet yet.

Once dried, soak it with a last coat of LIQUIGUM SUPER.

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## CONSUMPTION

1 – 1.5 kg/m<sup>2</sup> in two coats.

## PACKAGING

5-10-20 kg pails.

Colours: white-grey-red-green

## STORAGE

The product in its undamaged packaging can be stored for 12 months. Please store it at temperatures between +5°C and +35°C. No frost-proof.

## SAFETY INSTRUCTIONS

## PRECAUTIONS

For information about safety, user must refer to the most recent Safety Data Sheet, edited in accordance with the regulations in force, which contains physical, toxic and other data about the product in use.

## ECOLOGY

Avoid release the product and/or empty containers in the environment. Consult the most recent Safety Data Sheet for further information about disposals.

## TECHNICAL FEATURES (average values)

### PRODUCT FEATURES

Look:	Fluid paste
Colour:	White/grey/red/green
Density at 20°C (g/cm <sup>3</sup> ):	1.45 ± 0.05
Solid content (%):	70 ± 2
PH:	8 ± 1
cPs brookfield viscosity:	16000 ± 1000

### OPERATIONAL PRODUCT PERFORMANCES

Resistance to atmospheric agents:	Good
Elongation after 14 days (ASTM D2370):	≥100%
Resistance to Breaking after 14 days (ASTM D2370):	≥ 1.60 N/mm <sup>2</sup>
Adhesion test on substrate. UNI EN 1348 standard dynamometer (after 14 days)	
Concrete	0.69 N/mm <sup>2</sup>
Fibre-cement	0.57 N/mm <sup>2</sup>
Bituminous membrane	0.23 N/mm <sup>2</sup>
Adhesion before sun rain cycles (UNI10686)	2.0 N/mm <sup>2</sup>
Adhesion after 25 cycles sun rain (UNI10686)	1.7 N/mm <sup>2</sup>
Frost/thaw proofing: (UNI 10686)	Good after 50 cycles
Resistance factor to water steam diffusion (UNI EN 1931)	10,113.50 μ
Water absorption (ASTM D 471)	≤ 7.70 %

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## VOLATILE ORGANIC COMPOUNDS EMISSION

Parameter	Max. allowed concentration (µ/m3)
TVOC after 3 days	≤ 750
TVOC after 28 days	≤ 60

Test performed by the EUROFINS institute according to EN 16516, ISO 16000-3- 6-9-11 and ASTM D5116-10, Test report n. 392-2017-00404102\_G\_EN

The product meets with the Law 2003/53/CE and its prescriptions.

*The information contained in this technical data sheet is to the best of our knowledge correct. However, by no means can it be considered a guarantee, as usage, working area and application of the product in accordance with the instructions given and their success in application is beyond our control and is dependent on a number of factors. We decline any responsibility for the improper use of the product as the application recommendations contained herein are to be considered as a general guideline. If at all in doubt, preliminary tests should be carried out. VALLI ZABBAN SPA reserves the right to modify and up- date said data sheets without prior notice. Clients are kindly requested to verify that they are in possession of the current edition.*

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