



# TEKADOM

## HydroBlocker Superelastic Liquid membrane



### PRODUCT DESCRIPTION

Tekadom HydroBlocker Superelastic is a one-component, solvent-free waterproofing product for horizontal and vertical surfaces..

### PROPERTIES

- ready-to-use product
- low viscous product
- solvent-free
- isocyanate-free
- does not contain any dibutyltin compounds
- excellent workability; can be applied in just two coats
- water-vapour permeable
- stable at temperatures from -40 °C to +80 °C
- excellent adhesion to many substrates (concrete, wood, ceramics, metal,...) even without primer
- adhesion even to old or damp substrates
- good crack-bridging
- excellent resistance to chemicals
- good UV and weathering resistance
- can be over-painted
- cures at room temperature
- easy to process from +5 °C to +40 °C
- short drying times
- no post-cure surface tackiness
- consumption: app. 1.5 - 2 kg/m<sup>2</sup>

### TECHNICAL DATA

#### Uncured membrane

Basis		silane-terminated polymer
Form		grey low-viscous material
Viscosity	PP25, 11/s	8-18 Pas
Curing mechanism		moisture curing
Specific gravity	1.4 - 1.5 g/cm <sup>3</sup>	
Skin formation time	23°C/50% rel. humid.	20 - 30 min
Hardening time	23°C/50% rel. humid.	app. 3 h (1 mm layer)
Application temperature		from +5°C to +40°C

#### Cured membrane

Shore A hardness	ISO 868	22 - 25
Change in volume	ISO 10563	± 3 %
Elongation at break	ISO 37 rod 1	300 - 400 %
Tensile strength	ISO 37 rod 1	1.0 - 1.2 N/mm <sup>2</sup>
Tensile strength (100%)	ISO 37 rod 1	0.6 - 0.7 N/mm <sup>2</sup>
Temperature resistance		from -40 to +80 °C

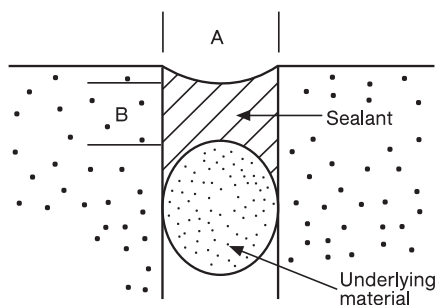
## USE

- waterproofing for dome lights, guttering, pipe collars
- waterproofing for cracks in roofs and walls
- waterproofing for indoor and outdoor joints
- sealing of welded seams (Liquid Membranes are not recommended to be used in areas which are loaded with long lasting stagnant water)

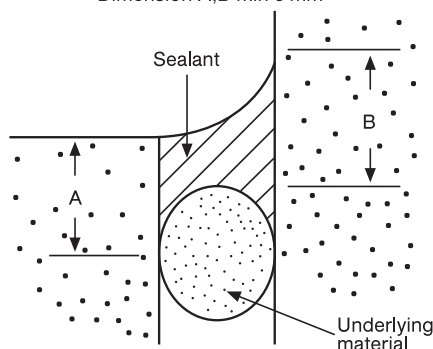
## APPLICATION

- Surfaces must be firm, loadbearing and free of contaminants (dust, grease). Remove all traces of loose existing coating material.
- Liquid Membrane exhibits excellent adhesion to many substrates such as concrete, screed, glass, ceramics, tiles and wood, as well as to metals such as aluminium, steel, zinc and copper.
- Liquid Membrane can be used without primer even on moist substrates, but not in the presence of stagnant water.
- Liquid Membrane can be used straight from the container; it just needs to be stirred before use. It is applied by roller or brush in two coats to a thickness of about 2 mm when dry. The second coat cannot be applied until the first has dried completely (after about 3 h at 23 °C, 50 % rel. humidity). After about 12 h (at 23 °C, 50 % rel. humidity), the treated surface will be completely dry and follow-up work can begin. A drop in temperature or humidity, or poor air flow may slow down curing. (Consumption: 1.5 – 2 kg)
- Connection and expansion joints must be dimensioned and formed in accordance with relevant standards. The joints must be filled completely ensuring exclusion of air bubbles. Suitable backing (underlying) material is essential (foamed polyethylene). For optimal elastic characteristic of the membrane 2:1 or (max) 1:1 width/depth ratio of the joint is suggested (minimal joint width: 6 mm; maximal joint width: 20 mm). To obtain a cleanly delineated joint, its edges can be masked with adhesive tape before filling begins. The adhesive tape must be removed immediately following completion of the expansion joint.

Correctly dimensioned joint  
 A:B = 2:1  
 Dimension A, B min 6 mm



Correctly executed angled joint  
 Dimension A, B min 6 mm



- Equipment can be cleaned using Tekačistilo or other available solvents. Cured material can be removed mechanically.
- In order to reinforce the membrane, non-woven fleece is recommended to be used between two coats. Fleece should be buried in the first coat while it is still wet. The reinforcement overlaps must be 10 cm. Reinforcement for internal and external corners or vents must be previously prepared by cutting shaped reinforcement pieces out of the fleece. The reinforcement of the edges, corners or vents must be buried in the first coat of membrane before the application of the reinforcement on the main horizontal or vertical surface. The second coat can be applied on the fresh coating if the first coat has been reinforced.
- Adhesion to different materials: Adhesion test is recommended prior usage.

Material	Tekadom HydroBlocker Superelastic
Steel plate	5K
Brass	5K
Coloured steel plate	5K
PVC	2A
Polycarbonate	5Ak
Wood	5K
Glass	5K
Polyester	2A
Ceramics	5K
Aluminium	5K
Concrete	5K
Bitumen	1A
Styrofoam	1A
ABS	2A
PMMA	5K
K-cohesion, A-adhesion	

## PACKAGING

- 0.7 kg (6 pieces in carton) and 5 kg (other packaging on request)

## STORAGE

12 months in a dry and cool storage place at temperatures between + 5 °C and + 25 °C in originally sealed package. Storage beyond the date specified on the label does not necessarily mean that the product is no longer usable. In that case, the properties required for the intended use must be checked.

## SAFETY PRECAUTIONS

There are no known safety issues concerning the Tekadom HydroBlocker Superelastic for use in construction applications.

## ATTENTION

The information supplied is accurate to best of our knowledge and is based on reliable tests and practical experiences. Properties quoted are intended as guide and do not therefore constitute a specification. You should thoroughly test any application to be sure that product corresponds to the required performances.