

## TEXPUR

Waterproof, single-component, liquid reactive polyurethane-based resin, which cures in contact with humidity and has excellent weathering-resistance. A versatile membrane with a wide range of uses as an integral part of liquid-based waterproofing systems, for trafficable roofs, terraces, patios, etc.

### ADVANTAGES

- Liquid membrane adaptable to irregular geometric shapes
- Continuous membrane, without joints or overlaps and completely adhered
- Easy to apply: single component, roller, brush or airless equipment
- Elastic and flexible membrane, 100% waterproof
- Excellent adherence to the majority of substrates after using the appropriate primer
- Resistant to ponded water
- Completely stable when in contact with alkalis that are present in the concrete
- Not emulsifiable, TEXPUR can be in permanent contact with water
- Rapid drying and quick set up
- Once cured it is waterproof
- Excellent dynamic crack bridging capabilities, even at low temperatures



### APPLICATION

- In liquid-based waterproofing systems on roofs, as a waterproofing membrane
- In liquid-based waterproofing systems on visitable and trafficable terraces (pedestrians or vehicles)
- Balconies as a waterproofing membrane
- Protection of polyurethane insulating foam
- Protection of metal, aluminium, fibre cement roofs or cement tiles
- Waterproofing irrigation canals
- Waterproofing of difficult access areas, as part of the system
- Protection of underwater concrete constructions.
- In re-waterproofing and reroofing jobs.

### REGULATIONS

- TEXPUR has an ETA (European Technical Assessment) 14/0484 for liquid applied PUR waterproofing kits, which allows for CE marking.
- Manufactured according to ISO 9001 quality management and ISO 14001 for environmental management.

### Liquid Waterproofing & Mortars Polyurethane base

TEXSA SYSTEMS SLU reserves the right to modify the information contained herein without prior notice and declines all liability in cases of errors produced due to inappropriate use of the product. The values shown in the technical sheet are the mean values from tests in our lab.

## INSTALLATION

### • SUBSTRATE PREPARATION:

- The surface needs to be clean, dry and free of any contamination, which may harmfully affect the adhesion of the membrane. Careful surface preparation is essential for optimum finish and durability.
- Maximum moisture content should not exceed 5%.
- New concrete structures need to dry for at least 28 days.
- Old, loose coatings, dirt, fats, oils, organic substances and dust need to be removed by a grinding machine.
- Any loose surface pieces and grinding dust need to be thoroughly removed.
- Possible surface irregularities need to be smoothened.
- Do not wash surface with water.

### • REPAIR OF CRACKS AND JOINTS:

- The careful sealing of existing cracks and joints before the application is extremely important for long lasting waterproofing results. Clean concrete cracks and hairline cracks, of dust, residue or other contamination. Prime locally with the TEXPRIMER and allow 2-3 hours to dry. Fill all prepared cracks with sealant. Then apply a layer of TEXTPUR, 200mm wide centered over all cracks and while wet, cover with a correct cut stripe of the TEXTIL. Press it to soak. Then saturate the TEXTIL with enough TEXTPUR, until it is fully covered. Allow 12 hours to cure.
- Clean concrete expansion joints and control joints of dust, residue or other contamination. Widen and deepen joints (cut open) if necessary. The prepared movement joint should have a depth of 10-15 mm. The width: depth ratio of the movement joint should be at a rate of approx. 2:1. Apply some sealant on the bottom of the joint only. Then with a brush, apply a stripe layer of TEXTPUR, 200mm wide centered over and inside the joint. Place the TEXTIL over the wet coating and with a suitable tool, press it deep inside the joint, until it is soaked and the joint is fully covered from the inside. Then fully saturate the fabric with enough TEXTPUR. Then place a polyethylene cord of the correct dimensions inside the joint and press it deep inside onto the saturated fabric. Fill the remaining free space of the joint with sealant. Do not cover. Allow 12 hours to cure.

### • PRIMER:

- Prime absorbent surfaces like concrete, cement screed or wood with TEXPRIMER.
- Prime non-absorbent surfaces like metal, ceramic tiles and old coatings with TEXPRIMER.
- Allow the primer to cure according its technical instruction.

### • WATERPROOFING MEMBRANE:

- Stir well before using. Pour the TEXTPUR onto the primed surface and lay it out by roller or brush, until all surface is covered. You can use airless spray allowing a considerable saving of manpower.
- Reinforce always with the TEXTIL at problem areas, like wall-floor connections, chimneys, pipes, waterspouts (siphon), etc. In order to do that, apply on the still wet TEXTPUR a correct cut piece TEXTIL, press it to soak, and saturate again with enough TEXTPUR. For detailed application instructions with the TEXTIL,

contact our R+D department. After 12 hours (not later than 36 hours) apply another layer of the TEXTPUR. If desired apply a third layer of the TEXTPUR.

- **RECOMMENDATION:** We recommend reinforcement of the entire surface, with the TEXTIL. Use 5-10cm stripe overlapping. If the TEXTPUR is applied without the Fabric reinforcement we recommend a three-layer application.

- **ATTENTION:** Do not apply the TEXTPUR over 0.6 mm thickness (dry film) per layer. For best results, the temperature during application and cure should be between 5°C and 35°C. Low temperatures retard cure while high temperature speed up curing. High humidity may affect the final finish

### • FINISHING:

- If a color stable and chalking-free surface is desired, apply one or two layers of the TEXTCAP C/T over the TEXTPUR. The application of the TEXTCAP C, is specially required, if a dark final color, is desired. (e.g. red, grey, green, etc.)

- If a medium duty, wear resistant surface is desired (e.g. balconies), apply two layers of the TEXTCAP C/T.

- For the several Top-Coats application procedures, please consult their technical instructions or contact our R+D Department.

- **WARNING:** The TEXTPUR is slippery when wet. In order to avoid slipperiness during wet days, sprinkle (TEXSA SILICI FINA/GRUESA) suitable aggregates onto the still wet coating to create an anti-slip surface. Please contact our R+D Dept. for more details.



## PRECAUTIONS

- Contains isocyanates.
- Review manufacturer information, especially the health and safety fact sheet.

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## PACKAGING AND STORAGE

	TEXPUR	
Drum (kg)	6	25
Performance	1,50 to 2,50 kg/m <sup>2</sup> in 2 or 3 layers (1) (2) (3)	
Performance	Shake well until obtain a homogeneous mass	
Color	Grey / Red	

Storage: 9 months in original closed container in cool, dry place at a temperature between +5° and +35°. Store the product in a cool and dry place.

(1) This coverage is based on application by roller onto a smooth surface in optimum conditions. Factors like surface porosity, temperature and application method can alter consumption.

(2) Is recommended TEXTIL between layers of TEXPUR.

(3) In order to comply with the ETAG values and conditions, consumption must be 2,4 kg/m<sup>2</sup> and be reinforced (W1)

## TECHNICAL PROPERTIES

PROPERTIES	Unit	Test Method	TEXPUR
Elongation at break	%	ASTM D 412	900 ±80
Tensile straight	N/mm <sup>2</sup>	ASTM D 412	7,45 ±0,3
Water Vapour Permeability	g/m <sup>2</sup> /day	ISO 9932:91	25,8 ±4,4
Resistance to water pressure	-	DIN EN 1928	No leak (1 m water column for 24h)
Adhesion to concrete	N/mm <sup>2</sup>	ASTM D903	>2,00 (concrete cracking)
Hardness	(A scale)	ASTM D2240	65 ±5
Construction Material Fire class	-	DIN 4102-1	B2
Resistance to root penetration	-	UNE 53420:1989	Passed
Resistance to Sparks and Radiating Heat	-	DIN 4102-7	Passed

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