

## INDUSTRIAL ROOFING – WARM – EXPOSED – DAMP

SPECIFIC SYSTEM FOR WATERPROOFING INDUSTRIAL AND CIVIL ROOFS WITH A DAMP SUBSTRATE

### SUBSTRATE PREPARATION

- Substrate to be treated must be free from debris and dust. Clean the substrate by either water jetting or air blowing and/or brushing

### SYSTEM

#### PRIMERS:

- **DUROGLASS FU BIANCO TIX**, water based 3 component modified epoxy. DPM primer designed for gaining adhesion on humid substrates up to 10 bar of back-pressure.  
Solves humidity problems allowing safe application for all kinds of floorings. Overcoating 24 hours at 20° C, 75% RH with a consumption rate is 0,500-0,600 kg/m<sup>2</sup>.  
Can be used for scratch coats or roller applications. Low VOC.
- **DUROGLASS FU RAPID**, water based rapid 2 component modified epoxy DPM primer designed for gaining adhesion on humid substrate up to 10 bar of back-pressure.  
Solves humidity problems allowing safe application for all kinds of floorings. Rapid curing allowing overcoating within hours even in cold temperatures 4 hours, 6° C, 75% RH.  
Can be used for scratch coats or roller applications. Low VOC.  
Consumption rate is 0,300-500 kg/m<sup>2</sup> per coat making sure that areas with greater absorption rate should be treated again.



POLISTAR E-P  
STARFLEX HR  
DUROGLASS FU BIANCO TIX + QUARTZ  
CEMENT / DAMP SUBSTRATE

#### WATERPOOFING MEMBRANE:

- **STARFLEX HR**, rapid curing pure polyurea two-component 100% solids elastomeric, or **STARFLEX HR-E**, hybrid elastomeric polyurea system formulated with aromatic isocyanates and special diammines, free from plastificants and solvents.
- **STARFLEX HR/HR-E** can be apply also in vertical and ceiling.

The products can be applied exclusively by spraying devices (proportional hot spray) with two-component airless pumping units, equipped with a mixing gun.

The necessary equipment must also include pre-heating the separate components at temperatures of at least 65-75 ° C.

The theoretical consumption is 2,2-4,4 Kg/m<sup>2</sup>.

#### TOP COAT:

- **POLISTAR E/P**, two component elastic polyurethane based UV- resistant, anti-skid and wear resistant protective coating, one component elastic aliphatic polyurea based top coat for manual application at a rate of 0,15-0,25 kg/m<sup>2</sup> per coat. The product for anti-slip can be added /charged with 0,1-0,3 mm quartz and or be broadcasted with 0,1- 0,5 quartz on the first of the 2 top coats. When 2 coats must be applied do not let more than 48 hours between the coats.

Performance indicators	S C G H E
Elastic	▲▲▲▲
Wear resistance	▲▲▲▲▲
Thickness	▲▲▲▲
Durability	▲▲▲▲▲

S = Satisfactory // C = Comparable // G = Good // H = High // E = Excellent

- **POLISTAR E/2**, 2k polyurethane based uv- resistant, anti-skid and wear resistant protective coating, with a consumption of 0,150 Kg/m<sup>2</sup>.

Performance indicators	S C G H E
Elastic	▲▲▲
Wear resistance	▲▲▲
Thickness	▲▲▲
Durability	▲▲▲▲

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FEATURES

- Fast Hardening with a very fast attainment of the final mechanical characteristics.
- Applicable also in vertical and ceiling.
- High elasticity, tenacity, resistance to puncturing, abrasion resistance and wear resistance with the ability of crack-bridging.
- Operating temperatures from -40°C to +90° C in the air.

Industrial roof warm exposed damp				2,7 mm	
layer		Consumption Kg/mq	thickness DFT mm	Coverage Cost g/micron	
Primer	1	DUROGLASS FU BIANCO TIX	0,6	0,2	2,8
Primer	1	DUROGLASS FU RAPID	0,7	0,3	2,4
Charge	1	QUARTZ	0,2	0,1	2,8
Sprinkle	1	QUARTZ	1,0	0,4	2,8
waterproofing	2	STARFLEX HR-S	2,2	1,9	1,1
Waterproofing	2	STARFLEX HR	2,5	2,3	1,1
top coat	3	POLISTAR E/P	0,3	0,1	2,2

Over-application (h)
48
4
walkable 90 minutes
Pedestrian passage
40 minutes

Features
Waterproofing Surfaces in case of back pressure water
Excellent weathering resistance High elasticity, tenacity
Operating Temperature
-40
90

Polyurea  
 Ideal for roof waterproofing for civil and industrial buildings.

