

## INDUSTRIAL ROOFING - COLD - EXPOSED - DAMP SUBSTRATE

### SPECIFIC WATERPROOFING SYSTEM FOR INDUSTRIAL ROOF

#### SUBSTRATE PREPARATION

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

#### SYSTEM

##### PRIMERS:

- **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.
- **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.



STARFLEX MONO TOP  
STARFLEX MONO  
STARFLEX NW / GM  
STARFLEX MONO  
DUROGLASS FU RAPID + QUARTZ  
CEMENT / DAMP SUBSTRATE

##### WATERPROOFING MEMBRANE:

- **STARFLEX MONO** one component moisture curing liquid polyurethane membrane. Application can be done by roller or brush or airless, spray 45:1 or 60:1 (pressure 130-150 bar and nozzle 0,021" or adjustable). Roller application is necessary for reinforced systems.



1 = Satisfactory // 2 = Comparable // 3 = Good // 4 = High // 5 = Excellent

- **REINFORCED SYSTEM:** use **STARTEX NW or GM** and impregnate with two layers of 1-1,5 Kg/m<sup>2</sup> each and embed on the fresh layer the reinforcement. On the fresh (wet on wet) apply a second coat of 1-1,5 Kg/m<sup>2</sup>. The second coat can be applied also next day as soon as curing allows the system to be walked over.

#### TOP COAT:

- **STARFLEX MONO TOP**, one component elastic aliphatic polyurea based top coat for manual application at a rate of 0,15-0,60 kg/m<sup>2</sup> per coat. The product for anti-slip can be broadcasted with quartz on the first of the 2 top coats.

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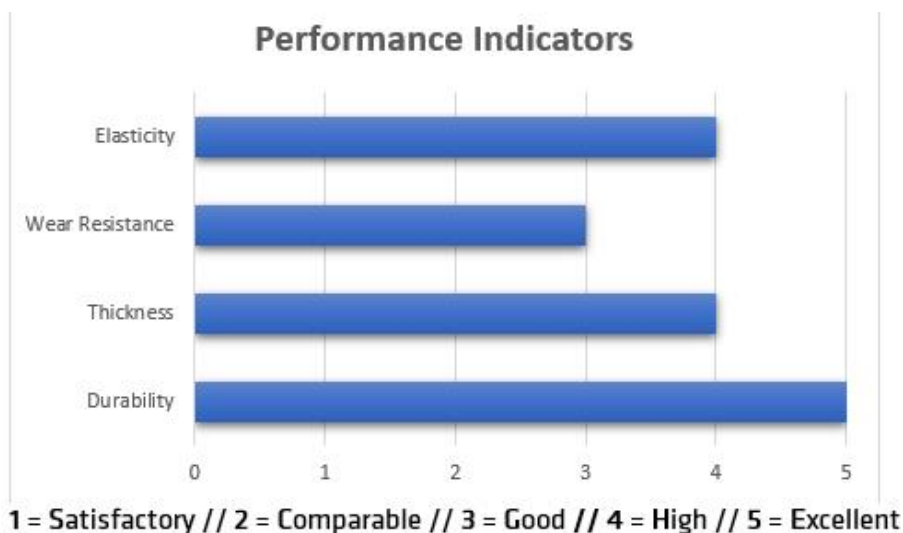
When 2 coats must be applied do not let more than 48 hours between the coats.



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- **STARFLEX MONO TOP 1**, one component elastic aliphatic polyurea based top coat for manual application at a rate of 0,15-0,60 kg/m<sup>2</sup> per coat. The product for anti-slip can be broadcasted with 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.



## FEATURES

- Water vapour permeable, crack-bridging ability.
- Ideal for outdoor application.
- High elasticity and high tensile strength and resistance.
- Applicable from +5°C to 35°C substrate temperature (R.H. <85%).
- Operating temperatures from -30°C to +80°C in air, (+200 for short time)

| Industrial roofing - cold - exposed - cement/damp substrate |       |                               |                  |                        | 2,4 mm     |
|---|-------|-------------------------------|------------------|------------------------|------------|
|   | layer | Consumption Kg/m <sup>2</sup> | thickness DFT mm | Coverage cost g/micron |            |
| Primer  | 1     | DUROGLASS FU BIANCO TIX       | 0,60             | 0,247                  | 2,43       |
| Primer  | 1     | DUROGLASS FU RAPID            | 0,70             | 0,280                  | 2,50       |
| Charge  | 1     | QUARTZ                        | 0,15             | 0,068                  | 2,65       |
| Sprinkle  | 1     | QUARTZ                        | 1,50             | 0,385                  | 2,60       |
| Waterproofing   | 2     | STARFLEX MONO TIX             | 1,3              | 0,7                    | 1,8        |
| Waterproofing   | 2     | STARFLEX MONO                 | 1,0              | 0,5                    | 1,8        |
| Reinforcement   | 3     | STARTEX NW/GM                 |                  | 0,50                   |            |
| Waterproofing   | 4     | STARFLEX MONO TIX             | 1,2              | 0,7                    | 1,8        |
| Waterproofing   | 4     | STARFLEX MONO                 | 1,0              | 0,5                    | 1,8        |
| Top Coat  | 5     | STARFLEX MONO TOP             | 0,300            | 0,149                  | 2,02       |
| Top Coat  | 5     | POLISTAR E/P                  | 0,15             | 0,067                  | 2,23       |
|   |       |                               |                  |                        | <b>2,4</b> |

| Over-application (h) |
|----------------------|
| 48                   |
| 24                   |
| 24                   |
| 6-8 hours            |

| Features   |
|--|
| Forms a water-proof layer, can be applied to damp substrates |
| High elasticity and tensile strength                         |
| Crack-bridging ability                                       |
| High elasticity  |
| Operating temperature  |
| -30  |
| 90   |

Continuous waterproofing membranes, concrete surfaces protection  
 Ideal for: Roofs, renewing old membranes.

One component Moisture curing liquid polyurethane

