

STARFLEX CAR PARK - CEMENT

SPECIFIC WATERPROOFING SYSTEM BASED ON POLYUREA FOR AREA WITH A HIGH LEVEL OF TRAFFIC

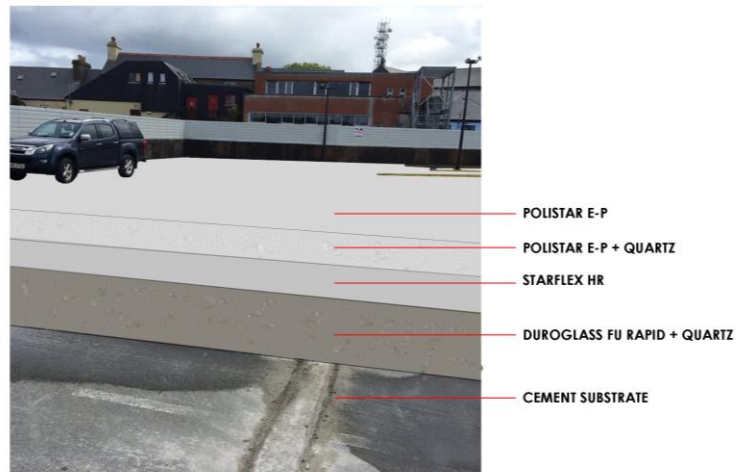
SUBSTRATE PREPARATION

- 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

PRIMING:

- **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/m² per coat making sure that areas with greater absorption rate should be treated again.



WATERPROOFING MEMBRANE:

- **STARFLEX HR** is rapid curing pure polyurea two-component 100% solids elastomeric, fast hardening with a very fast attainment of the final mechanical characteristics. It can be applied also in vertical and ceiling, Wide range application with ability to spray at very low temperatures and/or high humidity.

The product 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 best results are obtained with pressures of at least 190 - 210 Bar, material temperatures of 75 ° C with heated feeding pipes for the spray gun.

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/m² 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/m².

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

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The over coating has to be applied within 3-4 hours maximum after the application of **STARFLEX HR**.

- High elasticity, tenacity, resistance to puncturing, abrasion resistance and wear resistance with the ability of crack-bridging.
- Water impermeabile, excellent chemical resistance and corrosion resistance.
- Substrate application temperature range: from -20°C a +40°C.
- Operating temperatures: -30°C - +100°C.

Car park - cement		4,0 mm		
layer		Consumption Kg/mq	thickness DFT mm	Coverage cost g/micron
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	2,6
Waterproofing	2 STARFLEX HR	3,0	2,7	1,1
Main Coat	3 POLISTAR E/P	0,2	0,1	2,2
Sprinkle	3 QUARTZ	1,0	0,4	2,6
Top Coat	4 POLISTAR E/P	0,2	0,1	2,2
				3,95

Over-application (h)
4
80 minutes
12
Careful pedestrian passage
24 h

Features
Excellent substrate sealer
Applicable also in vertical and ceiling
Anti-Skid e Anti-UV
Excellent wear and impact resistance
Operating temperature
-30
100

Multilayer Polyurea
 Ideal for: inside and outside parking, roofing, squares

