Flowtech Extreme

High tenacity, low-density, self-levelling polyurethane substrate for internal and external ship decks.

Certified for marine use, Flowtech Extreme is the ideal product to be used as a highly elastic base coat before laying ceramic coverings with Superflex Ocean.

GREENBUILDING RATING
REF. GBR DATA REPORT 11.24
APPROVED

Rating 2

- × VOC Low Emission
- × Water Based
- ✓ Solvent ≤ 5 g/kg
- ✓ Low Ecological Impact
- × Health Care

1. Thicknesses from 1 mm
2. Long self-levelling time, also suitable for large surface areas
3. It can be mixed with Filler Ocean low-density inert material in order to increase application thicknesses and reduce density when applied
4. Extreme tenacity and long-lasting performance
5. Visco-elastic behaviour

kerakoll

Areas of application

→ Use
Creation of substrates for internal and external ship decks. For subsequent laying of resin-based continuous coverings or ceramic tiles. When applied in swimming pools or whenever anti-corrosive properties are required, the substrate must be prepared in advance with Kerablock Eco. Thicknesses of 1 to 5 mm if the product is used as is. To achieve higher thicknesses, add Filler Ocean to the mixture in the ratio of 50% by weight.

Products suitable for overlaying:
- two-component reactive waterproofing products such as Nanogum Ocean;
- two-component reactive adhesives such as Superflex Ocean;
- multi-layer, high-thickness resin-based continuous coverings.

Substrates:
- Internal and external metal decks.

Do not use on wet, dirty or inconsistent substrates.

Instructions for use

→ Preparation of substrates
In general, substrates must be free from dust, oil and grease, free from moisture rising, with no loose, flaky or imperfectly anchored parts such as residues of cement, lime, varnishes and adhesives, which must be completely removed. The substrate must be perfectly dry. Steel surfaces must be prepared to a ST3 roughness degree.
Whenever anti-corrosive properties are required or in swimming pools, prepare the metal substrates with Kerablock Eco before applying the product.

→ Preparation
Flowtech Extreme is a polyurethane-based two-component product. Briefly mix part A. Pour part B into the bucket containing part A, being careful to mix the two parts uniformly until a smooth, even coloured mixture is obtained. If necessary, pour the entire mixture into a suitable container by adding the Filler Ocean low-density inert material in a ratio of 100 : 50 by weight (resin : inert material). Mix with a low-rev (≈ 400/min) helicoidal agitator for about 2 minutes in order to avoid incorporating any air bubbles.

→ Application
Flowtech Extreme (either pure or mixed with Filler Ocean) is applied with a smooth spreader on the previously prepared substrate. Proceed with the subsequent laying of coverings after the product has hardened completely.

→ Cleaning
Tools used for mixing and applying Flowtech Extreme should be cleaned immediately after use with a thinner or Keragrip Eco Pulep. Once hardened, the product can only be removed by mechanical means.

Certificates and marks

Technical Data compliant with Kerakoll Quality Standard	
Appearance	Part A grey paste / Part B brown liquid
Specific weight	part A ≈ 1.1 kg/dm³ / part B ≈ 1.2 kg/dm³
Shelf life	≈ 12 months from production in the original sealed packaging
Pack	part A: 16.00 kg metal bucket / part B: 4.50 kg plastic can
Mixing ratio:	part A : part B = 78 : 22
Specific weight of the mixture (A + B)	≈ 1,1 kg/dm³
In-place density (with Filler Ocean)	≈ 1,0 kg/dm³
Temperature range for application	from +10 °C to +35 °C
Workability time	≈ 45 min.
Hardening +23 °C and 50% R.H.:	
- dust free	≈ 2 – 4 hrs
- foot traffic	≈ 24 hrs
Full hardening	≈ 7 days
Waiting time for laying ceramic tiles (with Superflex Ocean)	≈ 72 hrs
Coverage (part A + part B)	≈ 1.1 kg/m² per mm of thickness
Coverage (part A + part B + Filler Ocean)	≈ 1.0 kg/m² per mm of thickness

Values taken at +20 °C, 65% R.H. and no ventilation. Data may vary depending on specific conditions at the building site, i.e.temperature, ventilation and absorbency level of the substrate.

Performance		
HIGH-TECH		
Tensile strength after 7 days	≈ 3.8 N/mm²	DIN 53504
Elongation at break after 7 days	> 60%	DIN 53504
Initial adhesion with Filler Ocean 100:50 28 days	> 1,5 N/mm²	

Warning

→ Product for professional use
→ abide by any standards and national regulations
→ do not add other components not specified in the data sheet to the mixture
→ do not expose the mixture to heat sources
→ if necessary, ask for the safety data sheet
→ for any other issues, contact the Kerakoll Worldwide Global Service +39 0536 811 516 - globalservice@kerakoll.com

Kerakoll Quality System ISO 9001 CERTIFIED IT10/0327

Kerakoll Quality System ISO 45001 CERTIFIED 18586-I

Kerakoll Spa
via dell'Artigianato 9
41049 Sassuolo - MO

+39 0536.816.511
info@kerakoll.com

www.kerakoll.com