

# 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.



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

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## 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. 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.

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## 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 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 ( $\approx$  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 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 $\approx 1.1 \text{ kg/dm}^3$ / part B $\approx 1.2 \text{ kg/dm}^3$	
Shelf life	$\approx 12$ 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)	$\approx 1.1 \text{ kg/dm}^3$	
In-place density (with Filler Ocean)	$\approx 1,0 \text{ kg/dm}^3$	
Temperature range for application	from $+10 \text{ }^\circ\text{C}$ to $+35 \text{ }^\circ\text{C}$	
Workability time	$\approx 45$ min.	
Hardening $+23 \text{ }^\circ\text{C}$ and 50% R.H.:		
- Dust free	$\approx 2 - 4$ hrs	
- Foot traffic	$\approx 24$ hrs	
Full hardening	$\approx 7$ days	
Waiting time for laying ceramic tiles (with Superflex Ocean)	$\approx 72$ h	
Coverage (part A + part B)	$\approx 1.1 \text{ kg/m}^2$ per mm of thickness	
Coverage (part A + part B + Filler Ocean)	$\approx 1.0 \text{ kg/m}^2$ per mm of thickness	

Values taken at  $+20 \text{ }^\circ\text{C}$ , 65% R.H. and no ventilation. Data may vary depending on specific conditions at the building site, i.e.temperature, ventilation and absorbcency level of the substrate.

## Performance

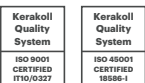
### HIGH-TECH

Tensile strength after 7 days	$\approx 3.8 \text{ N/mm}^2$	DIN 53504
Elongation at break after 7 days	$> 60\%$	DIN 53504
Initial adhesion with Filler Ocean 100:50 28 days	$> 1.5 \text{ N/mm}^2$	

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## Warning

- 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, please contact the Kerakoll Worldwide Global Service +39 0536 811 516



This information was last updated in May 2026; please note that additions and/or amendments to this information may be made over time by KERAKOLL Spa; for the latest version, see [www.kerakoll.com](http://www.kerakoll.com). KERAKOLL Spa shall therefore be liable for the validity, accuracy and updating of information provided only when taken directly from its institutional website. The technical data sheet given here is based on our technical and practical knowledge. As it is not possible for us to directly check the conditions of your building site and the execution of the work, this information represents general indications that do not bind Kerakoll in any way. Therefore, it is advisable to perform a preliminary test to verify the suitability of the product for your purposes.