

# Weber.floor 4675 Marine Flow Rapid

## Product description

Floor 4675 Marine Flow Rapid is a cement based pumpable underlayment screed for a use as a levelling layer for resin coatings in light industrial flooring applications. It is supplied as a pre-blended, dry powder for application at thickness between 4-15 mm.

## Field of application

Floor 4675 Marine Flow Rapid is designed as a rapid drying levelling layer suitable for epoxy and polyurethane coverings in light industrial applications on both new and old concrete for new building and refurbishment projects. It can be used to level and smooth a wide range of substrates, including in-situ and precast concrete.

## Working instructions

Light ventilation in the work area is necessary but windows and openings must be closed sufficiently to avoid draughts during and after application. Indoor and floor temperature must exceed +10°C during the application and one week after that. The relative humidity of the concrete floor must not exceed 95%.

## Substrate

Floor 4675 Marine Flow Rapid is designed primarily for use on concrete substrates. If the substrate is suitably dry, the resin finish can be laid after 24 hours (for a 10 mm layer in good drying conditions). The substrate should have a surface tensile strength of at least 1.5 N/mm<sup>2</sup>.

## Pre-treatment

The surface to be treated must be hard, sound and free from surface contamination. Laitence of old coatings and contaminants should be removed mechanically, (by enclosed shot blasting, scarification or flame gunning). All dust and debris should be vacuumed from the surface. Shrinkage in newly cast concrete should have stopped, as cracking could otherwise occur.

Floor 4716 Primer should be applied to the prepared surface using a soft brush or a primer pump, avoiding ponding, and allowed to become touch dry (3 - 4 hours under good conditions or overnight dependent upon conditions). After application and whilst the primer is still fresh, it should be lightly brushed to ensure a complete uniform film has been applied. The function of the primer is to improve adhesion to the sub-floor, to prevent air bubbles and to prevent de-watering of the floor compound before hardening.

For more details see separate data sheet for Floor 4716 Primer.

## Mixing

Floor 4675 should be applied using a mixer pump approved by Weber. The material is mixed with 21% water, which corresponds to approx. 5.25 litres per 25 kg bag. Do not use excessive water, because the strength of the underlayment will be reduced. Ensure that the material is correctly mixed and free from separation. The temperature of the mix should ideally be between +15°C and +20°C. When the screed is pumped, the coverage area should not be wider than 6 - 8 metres. If the total area is wider, stop-ends must be used.

For hand application, mix the material thoroughly for 1 - 2 minutes using a powerful mixer tool.

## Practical advice

The hardened material can be checked for correct installation by measurement of the pull off strength. Movement joints should be opened up if they have been covered as the material will not bridge over movements in the substrate.

## Storage

Approx. 6 months, check flow after 3 months

## Package

25 kg bag  
Big bag 1000 kg  
Loose weight

## Product Specification

<b>Hardening time</b>	
<b>before foot traffic</b>	1- 2 hours
<b>Minimum thickness</b>	4 mm
<b>Maximum thickness</b>	15 mm
<b>Recommended layer thickness</b>	6 - 8 mm
<b>Use</b>	
<b>External use</b>	No
<b>Internal use</b>	Yes
<b>Water demand</b>	5.25 litres per 25 kg (21 %)
<b>Compressive strength</b>	
<b>Compressive strength class</b>	C30 EN 13813
<b>28 day</b>	Mean value 35 MPa EN 13892-2
<b>Flexural strength</b>	
<b>Flexural strength class</b>	F7 EN 13813
<b>28 day</b>	Mean value 11 MPa EN 13892-2
<b>Shrinkage</b>	
<b>28 days</b>	< 0.5 mm/m EN 13454-2
<b>Flow rate according to</b>	
<b>EN norm</b>	135-145 mm EN 12706 (ring 30x50 mm)
<b>maxit standard</b>	240-255 mm maxit standard method 99:03 (ring 68x35 mm)
<b>Flow ring 50 x 22 mm</b>	155-165 mm old SS 923519 (ring 50x22 mm)

**Transverse tensile strength** >1.5 after 28 days N/mm<sup>2</sup>

## Product Specification

Physical requirements	
Reaction to fire	A2fl -s1
Density	
Loose bulk density	1700 kg/m <sup>3</sup>
Chemical requirements	
of cured material	approx. 11
Binder	Aluminous cement, Slag cement, Portland cement, Gypsum
Fibres	No
Wear resistance	
Steel-wheel, Class	Strength properties after storage in regulated conditions +23°C and 50% RH with 21% admixed water. Wear resistance-BCA class AR 2.

## Documents

[Material Safety Datasheet](#)  
[ce\\_deklaration\\_floor\\_4675\\_MarineFlow\\_Rapid\\_weber\\_eng.pdf](#)

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