

# Floor 4665 Marine Fire

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## To replace ABS 640 Marine A-60 Base

### Product description

maxitFloor 4665 is recommended for passenger/merchant vessels and offshore installations requiring fire insulation where the material must be non-combustible according to IMO Res .A 754 (18)

Floor 4665 Marine Fire is pumpable base screed recommended for ships and oil platforms requiring fire insulating constructions where the material must be non-combustible. The material satisfies the requirements of the authorities and classification societies for A-60 deck covering

### Field of application

The material is not suitable as a final subfloor for coverings and should be topped with floor 4660 Marine Elastic. Ceramic tiles however can be applied directly on Floor 4665. The combination of Floor 4665/4660 is suitable as a finished floor for most coverings, such as PVC, linoleum, floating timber floor, resin floor, etc.

### Working instructions

In order to ensure good results ambient temperatures should be between 10 and 25C

### Substrate

The sub-base should be fireboard, minimum 50mm thick, 150kg/m<sup>3</sup>. Alternatively boards of 200 kg/m<sup>3</sup> can be used to give a more stable firmer sub-base. Lay the insulation boards with staggered joints. All the joints in the insulatoin material and to the adjoining structures must be sealed/taped carefully. Glue the mats to the sub-base. Reinforcement netting 100mm wide, grade 3mm, should be attached and netting laid with 50mm overlap carefully fastened.

### Mixing

Floor 4665 is mixed with 4.3 litres of clean water per 25 kg bag (approx. 17%). The material should be applied using a mixer approved by maxit. It is also possible to hand mix the material using a powerful drill and paddle. The material should be mixed for a minimum of 2 minutes, until the mix attains a lump free consistency. When pumping, check water content with flow tests. Flow rate should be checked continuously by the flow ring. Check also that the material is correctly mixed and free from separation.

### Application

When Floor 4665 Marine Fire is pumped onto the substrate the maximum width of the pumpable area should be about 6-8 metres depending on the pump capacity and application thickness. Wider areas can be temporarily divided with stop-ends. Pumping is carried



out in sections so that new section is pumped as quickly as possible slightly on top of the previous layer. A wide spatula or spiked roller should be used to assist the self levelling process.

### Storage

Storage time in dry conditions and closed packages is 6 months.

### Package

- 25 Kg bags on plastic wrapped pallet

### Drying time

The screed can receive foot traffic after a drying time of 6-12 hours at an ambient temperature of +20C. Before applying a top layer the material must be cured. A final covering can usually be applied after 1-3 weeks. (10mm per week)

### Safety instruction

Hazardous – contains cement, which is alkaline when wet and can cause skin irritation. Use eye protection, gloves and barrier cream and avoid prolonged skin contact. Avoid inhalation of dust. Wash skin contamination away with warm, soapy water. Remove splashes to the eyes by prolonged irrigation and consult a doctor. Do not ingest. Refer to Health and Safety Data Sheet.

<b>Maximum thick-ness</b>	50 mm
<b>Minimum thickness</b>	25 mm
<b>Recommended layer thickness</b>	25 mm on Rockwool fire bat
<b>Water demand</b>	4.3ltr /25 kg (17%)
<b>Compressive strength (28 day)</b>	25 N/mm <sup>2</sup>

<b>Flexural strength (28 day)</b>	5 N/mm <sup>2</sup>
<b>Shrinkage (28 days)</b>	0.05%
<b>Flow rate according to (maxit standard)</b>	200-215 mm
<b>Flow rate according to (Flow ring 50 x 22 mm)</b>	130 - 140 mm
<b>Hardening time (before foot traffic)</b>	6 - 12 hours
<b>Hardening time (before common traffic)</b>	1 week
<b>Physical requirements (Reaction to fire)</b>	The material satisfies the fire requirements for non-combustibility in accordance with IMO Res. A 754 (18)
<b>Chemical requirements (pH)</b>	approx. 11
<b>Recommended water content</b>	17%
<b>Pot life</b>	15-20 minutes (after adding water)
<b>Density</b>	1700 kg/m <sup>3</sup>
<b>Material consumption,</b>	1mm = 1.7Kg 5mm = 8.5Kg 10mm = 17.0kg

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