

WEBER.FLOOR 4660 MARINE ELASTIC

damping and flooring underlay - cement-based, self-levelling compound

Weber.floor 4660 Marine Elastic is a fibre reinforced, cement-based, self-levelling compound used in interior flooring applications for the marine and off-shore industries. The product is available as a pre-mixed dry powder, to which water, in the recommended ratio, is added on-site.

It complies with marine regulations for fire performance and is suited for use as a primary or secondary deck covering. It provides a finished sub-floor for most types of floor coverings such as PVC, vinyl, linoleum, stone, ceramics, carpets etc. It should not be used without a final floor finish and is primarily suited for light traffic areas (mainly foot traffic) in marine and offshore applications.

It's used as either a bonding, underlay or floated screed, or applied on existing concrete or cement-based substrates for ship repair purposes. The acoustic properties of the floor system can be considerably enhanced when used with a viscoelastic interlayer such as Decidamp® SLC.

The constrained layer system formed by the use of Decidamp SLC is certified to EC (MED B and D) and USCG type approval for maritime applications. The system dampens structure-borne noise from machine rooms housing engines, generators, compressors and other mechanical components that are common acoustic challenges on offshore platforms, maritime vessels and industrial structures.

The mixed compound can be machine-pumped or easily applied by hand in layer thicknesses from 2 to 30mm. When used with LWA (expanded clay aggregates, grain size 2-6mm), it can be applied in layer thicknesses of 10-100mm, thereby achieving greater layer thicknesses and lower weight/mm/m².

SPECIFICATIONS

Packaging	25 kg bags on plastic wrapped pallets (40 bags per pallet) 1000kg big bags Bulk (loose material)
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applications

- Marine application:
- self-levelling material for steel, galvanised steel and aluminium decks
- as a constrained layer system to further reduce vibration noise and structure-borne noise
- Light traffic areas (mainly foot traffic) in marine and offshore installations
- Underlay for floor coverings such as PVC, vinyl, linoleum, stone, ceramics, carpets, etc.
- In flooring applications to reduce impact noise
- Used as either bonded, underlay or floated screed

features

- Cement-based, fibre reinforced
- Water added on-site
- High elasticity
- Rapid drying and fast setting
- High surface strength
- Good impact-sound and vibration damping achieved when used in a constrained layer system with an acoustic insulation product such as Decidamp® SLC.
- Meets all fire and technical requirements in accordance with IMO Res. A 687(17) for use as underlay for floor coverings
- Self-levelling with light mechanical assistance - easy and speedy application (Please consult your local Pyrotek representative for details on installation)
- Good chemical and hydrolysis resistance
- Seamless finish and application in a wide range of thickness
- Minimal material shrinkage during drying
- Adheres to most clean substrates including steel, galvanised steel, aluminium etc.



PRODUCT SPECIFICATIONS

Surface tensile strength to the substrate	Compressive strength EN 13892-2 & EN 13813	Flexural strength EN 13892-2 & EN 13813	Wear resistance (rolling wheel) EN 13892-7	Chemical requirements
>1.0Nmm ² (MPa)	Class C20 28 days: Mean value 27 N/mm ² (MPa)	Class F7 28 days: Mean value 8.5 N/mm ² (MPa)	RWFC 250 (thickness 2-30mm)	pH 11

MATERIAL PROPERTIES

Flow rate (WEBER STANDARD)	Flow rate (SS923519)	Shrinkage EN 134542
205-220mm with Weber standard method 99:03 (ring 68 x 35 mm)	135-145 mm (flow ring 50 x 22mm)	28 days <1.0 mm/m

PR-number: 19691

Test method	Index	Results	Description
EN 13501-1	Non-combustible	A2fl-s1	Will not significantly contribute to a fire
EC Type Examination Certificate Module B (MED B) + Module D (MED D) (Certificate No. MED-B-8320; 164.106/EC0575/8320; MED-D-1813)	Deck finishing materials and primary deck covering	Complies. USCG type approval granted.	WHEELMARK

MIXING AND APPLICATION PROPERTIES

Material consumption	Water consumption	Recommended application temp	Hardening time before foot traffic	Minimum thickness	Maximum thickness
1.7 kg/mm/m ² (0.9 kg/mm/m ² with LWA)	4.3 litres per 25 kg bag (17%)	min10°	1 - 3 hours	2 mm (10mm with LWA)	30 mm (100mm with LWA)*

* All LWA mix material, should be finished with a 6-10mm layer of standard 4660

SHELF LIFE AND STORAGE

- Pot life (open time) : approx. 15-20 mins. after adding water.
- Shelf life: minimum 12 months from date of manufacture—when packaging is unopened, intact and stored under dry conditions. Incorrect storage could have an adverse impact on the product properties.