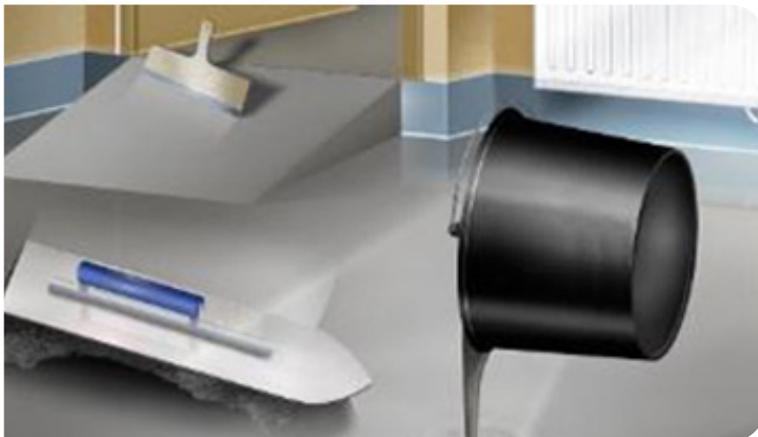


Produktdatablad



PRODUCT ADVANTAGES

For marine and offshore installations in living quarters, wet areas and other light traffic areas – mainly foot traffic. Combination material, both for fine smoothing and building of slopes in wet areas etc. Also for patching and filling holes.

- Dust reduced, which reduces the dust by handling and mixing the product and thereby improves the work environment
- Rapid drying and fast setting
- Do not sag

PRODUCT DESCRIPTION

weber.floor 4690 Marine Combi is a polymer modified, dust reduced (low dust), non-sag smoothing compound with paste consistency for use as a fine smoothing and slope building material on steel-, galvanised steel- and aluminium decks for layer thicknesses between 0,5 and 50 mm. Floor 4690 contains low alkaline alumina cement. The consistency of the compound can be varied with the water addition. Grain size < 0,5 mm.

SUBSTRATE

Steel, galvanised steel, aluminium, concrete/cement-based, stone and ceramics and plywood boards. The substrate shall be clean and free from dust, cement rich skin and laitance, grease and oil residues, weak surface layers and other impurities that might prevent adhesion. The surface tensile strength of the substrate should be above 0,5 N/mm² (MPa) when fine smoothing and above 0,8 N/mm² (MPa) when screeding. For heavier duty applications the substrate should have a surface tensile strength of at least 1 N/mm² (MPa). The substrate temperature should be above +10°C.

PRODUCT SPECIFICATION

YTELSESERKLÆRING/DoP

DoP-SE-0182

PROPERTIES	
Material consumption	1,55 kg/mm/m ²
Application temperature	Minimum 10 °C
Hardening time before foot traffic	30-60 minutes
Minimum thickness	0,5 mm
Maximum thickness	50 mm
External use	No
Internal use	Yes
Dust reduction	Yes
Water demand	3,3-3,6 litres per 15 kg bag when screeding (22-24%) 3,6-4,2 litres per 15 kg bag when fine smoothing (24-28%)
Pot life	Approx. 5-15 minutes after adding water
Surface tensile strength to the substrate	> 0,5 N/mm ² when fine smoothing > 0,8 N/mm ² when screeding > 1,0 N/mm ² when heavier duty applications

PROPERTIES

Compressive strength	Class C25 EN 13813 28 days: Mean value 34 MPa EN 13892-2
Flexural strength	Class F7 EN 13813 28 days: Mean value 9 MPa EN 13892-2
Shrinkage	28 days: <1,0 mm/m EN 13454-2
Physical requirements (Reaction to fire)	Fire class: A2fl-sI A1301 Primary deck covering, Marine EN 13501-1, IMO FTPC Part 6 and IMO FTPC Annex 2, section 2.2
Wear resistance	RWFC 250 (for thicknesses 1-50 mm) EN 13892-7

PACKAGING

15 kg bags with handle on plastic wrapped pallets (36 bags per pallet).

STORAGE

When stored in unopened and intact packaging, under dry conditions, shelf-life is min. 12 months from date of manufacture. Incorrect storage could have an adverse impact on the product properties. Older material should be tested, using the stipulated amount of added water to the mix, to ensure that the product properties are intact and the material cures within 1-2 hours after application. Longer setting times indicate that the product properties have been disrupted and the material should not be used. Avoid adding more water than recommended. The user is responsible if the product is used for purposes other than recommended or for improper installation.

PRE-TREATMENT OF SUBSTRATE

The substrate should be mechanically prepared to remove impurities that might prevent adhesion and then vacuum cleaned. The substrate may be primed with weber.floor 4716 Primer, according to the primer data sheet, but it is not an absolute requirement. The temperature in the substrate should be above +10°C. For ideal working conditions the ambient air temperature of the work area should be +10-25°C. Light ventilation in the work area is necessary, but windows and openings should be closed sufficiently to avoid draughts during and after application. The dry-mix material should be kept in a heated area before use. Strongly cooled material conveys a risk that certain additives will not be able to dissolve during mixture.

The material can be used in higher ambient air temperatures in the work area up to approx. +40°C. In such conditions the workability of the compound should be observed as too high temperature strongly affects the pot life of the product, e.g. lead to premature setting and hardening of the compound. To compensate for too high temperature of the work area and in the substrate it is recommended to cool down the added water with ice and also to restrain from using the material in direct exposure to sunlight. Keep the dry-mix material stored in a ventilated area not exposed for direct sunlight.

Slow drying out due to low temperature and/or poor film formation due to high humidity should be observed as that may result in pinholes in the leveling layer.

MIXING

weber.floor 4690 Marine Combi should be mixed by adding 3,3-3,6 litres of clean water per 15 kg bag (22-24% of the dry weight of the material) when screeding, filling holes, joints, building slopes etc. and 3,6-4,2 litres of clean water per 15 kg bag (24-28% of the dry weight of the material) when fine smoothing (0,5-1mm thickness). First pour parts of the water into the mixing bucket, then add weber.floor 4690 and pour in the rest of the mixing water. The material and water should be mixed using a mixer or drill fitted with a paddle or a beater for minimum 2 minutes, until a paste consistency is achieved. Ensure that the material is correctly mixed and free from separation. It is important to add the stipulated amount of water as excess water will reduce surface strength, increase shrinkage and encourage segregation. Conversely reduced water content increases viscosity. The temperature of the mix should ideally be between +10°C and 30°C. Once mixed, the compound remains workable for approx. 5-15 minutes under ideal working conditions but no further water should be added. Under too high temperature, the compound remains workable considerably shorter.

APPLICATION

The mixed product should be distributed over the surface using a smooth trowel or flat spatula. Any fine adjustment in the form of sanding, scraping or further fine smoothing may be undertaken as soon as the compound has hardened sufficiently.

AFTER-TREATMENT

weber.floor 4690 Marine Combi allows foot traffic after approx. 30-60 minutes. Before laying the floor covering it should always be checked that the structure has dried out sufficiently for the chosen type of floor covering. weber.floor 4690 can be over laid with a floor covering after approx. 2 hours provided the floor covering will withstand minimum 85% RH, comply with the requirements from the floor covering manufacturer. The stated drying time assumes good drying out conditions of +20°C, 50% RH and an exchange of air.

FIELD OF APPLICATION

weber.floor 4690 Marine Combi is designed for use in marine and offshore installations in light traffic areas, mainly foot traffic, as an underlayment for floor coverings such as PVC, vinyl, linoleum, stone and ceramics, carpets etc. weber.floor 4690 is a combination material that is suitable for building slopes, the forming of inclines and coves, ramps, as well as for use as a fine

smoothing compound inside. It is also suitable for filling of recesses and holes, and joint filling. The product should not be used in a humid environment over 95% RH. Any special requirements for the floor covering concerned should be observed, comply with the requirements from the floor covering manufacturer. When the smoothed floor has hardened, and been rubbed down where necessary, it will provide a finished sub-floor for most types of floor covering.

PRACTICAL ADVICE

Tools and machinery should be cleaned for fresh material using water. Hardened material should be removed mechanically. Dehumidifiers should not be used for the first two days after application. Gas heating should not be used prior to priming and application. Please observe that slow drying out due to low temperatures could affect the performance of the mortar.

SAFETY INSTRUCTIONS

See current Material Safety Data Sheet.

DISCLAIMER

Since there are different conditions and requirements that apply in any case, Saint-Gobain Byggevarer AS cannot be liable for other than the information provided in this product datasheet. Examples of information and conditions beyond Saint-Gobain Byggevarer AS's responsibility (if specially pointed out or not), involves storage, construction, preparation, synergistic effects with other products, workmanship and locale conditions. The information provided in this product data sheet is based on our current knowledge and experience about the product. All of the above information must be considered as guidelines. It is the user's responsibility to ensure that the product is suitable for the intended use, and also to perform acceptance check and self-inspection control. The user is responsible if the product is used for purposes other than recommended or improper installation.

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