



weber. maxitfloor 4650

Fine flow

PRODUCT DESCRIPTION

Weber. maxitfloor 4650 Duro Colour is a through coloured, cement based wearing surface compound containing special cement, sand and additional binders. The material is a rapid hardening and self-levelling screed compound. Which is supplied in five colours with alkaline durable pigments, Off-white, Grey, Extra Grey, Red, Green and Yellow. Supplied colour samples should not be compared to the laid compound. It is suited to manual application, but can also be pumped.

FIELD OF APPLICATION

Weber. maxitfloor 4650 Duro Colour can be used in retail stores, aisles in shops, shopping centres, store rooms and heavy industry. The floor can be supplied in different natural colours and can be used to contribute to the aesthetic design of the room. However the methods for after-treatment and floor maintenance must be adapted to the particular conditions of use. The surface can receive foot traffic after 3-5 hours depending on temperature. Light traffic after 24 hours. Full traffic is possible after approx. 1 week at normal temperature conditions.

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 and after application and for one week after that. The relative humidity of the substrate must not exceed 95%. Dehumidifiers must not be used for the first two days.

SUBSTRATE

Weber. maxitfloor 4650 Duro Colour is recommended for use on concrete substrates. Surface tensile strength of the substrate should be minimum 1.5 N/mm². Shrinkage movements in newly cast concrete should have ceased otherwise reflective crack formation might occur. Substrates with cavities and large unevenness should be levelled using weber. maxitfloor 4600 Duro Base, or weber. maxitfloor 4602 Duro Base Extra on floors with heavy loads. The temperature of the substrate should exceed +10°C. The substrate should be surface dry.

PREPARATION AND PRIMING

The substrate should be clean, free from dust, cement, grease or other impurities that might prevent adhesion. The substrate should be primed twice using weber. prim 4716. The first priming should be diluted 1:5, the second 1:3 (on Floor 4600 Duro Base, 1:10, 1:3). The primer should be dry and have formed a film before laying with weber. maxitfloor 4650. The tempera-

ture of the substrate during application should exceed +10°C.

MIXING

Weber. maxitfloor 4650 should be applied using a mixer pump approved by weber-maxit. The material is mixed with 23% water, which corresponds to 5.75 litres per 25Kg bag. Do not use excessive water. While mixing, the water content should be checked continuously by the flow ring test (size 50mm x 22mm ring). Also 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 strength, increase shrinkage and encourage segregation. Conversely reduced water content increases viscosity. The temperature of the mix should ideally be between +15°C and +20°C.

APPLICATION

The maximum width of the pumpable area varies from 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 a new section is pumped as quickly as possible in order to maintain a wet edge. A wide spatula or spiked roller should be used to assist the self-levelling process. The material can be laid in thicknesses of 4-15mm. Normal layer thickness is 6-8mm.

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adverse impact of the levelling properties.

PACKAGE

25 kg bag
1000 kg big bag



AFTER-TREATMENT

Surface coating: weber. maxitfloor 4650 Duro Colour is ready for traffic loads without a surface coating, but for aesthetic reasons or ease of cleaning it can be covered with a suitable coating/ impregnation system. When sealing with water soluble sealers which are dependent on drying, the surface must be dry before application is undertaken.

PRACTICAL ADVICE

Colour variations in the finished surface can occur due to a number of factors such as (i) the product is formulated from cementitious binders with mineral pigments and colour variations can result due to differing ambient conditions during application, (ii) the method of installation can occasionally result in hose lines in the finished surface, (iii) Any future repairs to the surface may result in variations in colour and texture.

DRYING TIME

Foot traffic 35 hours
Forklift wheeled traffic after 24 hours
Full traffic after 7 days.
The floor coating/sealer can be installed after 24 hours depending on the layer thickness, drying conditions and product to be used.

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.

STORAGE

Storage time in dry conditions and closed packages is 6 months. For deliveries in bulk the store time is 3 months longer time may have an

PRODUCT SPECIFICATION

Material consumption	1.7Kg/m ² /mm (layer thickness)
Application temperature	+15°C-+20°C
Hardening time	
before foot traffic	3-5 hours
before light traffic	24 hours
before common traffic	approx. 1 week
Minimum thickness	4mm
Maximum thickness	15mm
Recommended layer thickness	6-8mm
Water demand	5.75 litres per 25 Kg bag (23%)
Compressive strength	C35
Flexural strength	F10
Shrinkage	< 0.05%
Flow rate according to	
weber-maxit standard	240-260mm
Flow ring 50 x 22 mm	155-160 mm
Density	
Loose bulk density	1700kg/m ³
Reaction to fire	A
Chemical requirements	
of cured material	approx. 11
Pot life	15-20 minutes (after adding water)
Wear resistance	
Steel-wheel, Class	AR1
Color	Off-white, Grey, Extra Grey, Red, Green and Yellow

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