

Floor 4040 Combi Rapid

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Fast set rapid drying floor compound

Product description

Floor 4040 is a hand applied fine smoothing compound with rapid drying and fast setting times. The consistency of the compound can be varied with the water addition. Floor 4040 has a maximum grain size of 0.5 mm and is designed for application between 0.5 – 50mm.

Field of application

Floor 4040 is recommended for slope build up and fine smoothing. It can also be used for repair of indoor walls and stairways. Any special requirements for the floor covering concerned should be observed. When the filled surface has hardened, and been rubbed down where necessary, it will provide a finished sub-floor for most types of floor covering.

Substrate

The substrate should be clean, free from grease, weak surface layers and dust. Floor 4040 is designed primarily for use on concrete substrates, stone and ceramics floors. The substrate should have a surface tensile strength of at least 1N/mm² (pull off strength)

Preparation and Priming

The substrate should be mechanically prepared to remove impurities that might prevent adhesion and then vacuum cleaned. Surface tensile strength of the substrate should be above 0.5 N/mm² when fine smoothing and above 0.8 N/mm² when screeding. For heavier duty applications the substrate should have a surface tensile strength of at least 1 N/mm² (pull off strength). The temperature of work area and substrate should be between +10°C and +25°C.

Mixing

Floor 4040 should be mixed by adding 22-24% water, approx. 5.5-6.0 litres per 25 kg bag. The material and water should be mixed using a drill fitted with a paddle or a mixer for minimum 2 minutes, until a paste consistency is achieved. Once mixed, the compound remains workable for approx. 5 minutes but no further water should be added.

Application

Floor 4040 should be spread with a smooth trowel. Any fine adjustment in the form of sanding, scraping or further fine smoothing may be undertaken as soon as the compound has hardened sufficiently. Tools and machinery should be cleaned using water.



After-treatment

Floor 4040 accepts foot traffic after approx. 30-60 minutes. Before laying the floor covering it should always be checked that the structure has dried out sufficiently. Floor 4040 can be over laid with a floor covering after approx. 2 hours provided the covering will withstand minimum 85% RH. The stated drying time assumes good drying conditions of +20°C, 50% RH and an exchange of air.

Storage

Approx 24 months when stored in a dry place.

Package

Packed in 15 kg polythene lined paper sacks

Drying time

30-60 minutes

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.

Certificate ISO 9001	Certificate ISO 9001
Maximum thickness	50 mm
Recommended layer thickness	0.5-50 mm
Water demand	Approx. 5.5-6.0 per 25 kg bag

Compressive strength class	C 30
Flexural strength class	F 8
Hardening time (before foot traffic)	30-60 minutes
Physical requirements (Reaction to fire)	A2fl -s1
Release of corrosive substances	CT
Water permeability	NPD
Recommended water content	22-24%
Emission: (Ammoniac 1 day)	< 5 µg / m ² , h (28 days)
Emission: (Formaldehyde 1 day)	< 5 µg / m ² , h (28 days)
Emission: (TVOC 28 day)	< 200 µg / m ² , h
Emission: (TVOC composite construction 26 weeks)	<0.3
Pot life	Approx. 5 min after adding water.
Wear resistance	NPD
Wear resistance (RW (defined) class)	RWFC 250, early floor covering RWFC 450, drying out 1 week/10mm
Thermal resistance	NPD
Material consumption,	1mm = 1.6Kg 5mm = 8.0Kg 10mm = 16.0kg

nbsPlus Stamp

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