



PACTOTop DryShake FH

Dry Shake, Monolithic Surface Hardener for New Concrete Floors

DESCRIPTION

PACTOTop Dryshake FH consists of graded synthetic mineral aggregate blended with Ordinary Portland cement and plasticizers.

PACTOTop Dryshake FH is applied to plastic concrete and the resulting finished surface is extremely dense, abrasion resistant and hard-wearing. As the application of **PACTOTop Dryshake FH** results in the floor curing monolithically with the topping, excessive shrinkage, cracking etc., is avoided.

The aggregated used, apart from being completely inert chemically, is exceptionally hard and is not prone to polishing.

TYPICAL USES

PACTOTop Dryshake FH can be used in any application where an uncoated concrete is required to provide high abrasion, skid and impact resistance.

It is particularly suited for heavy industrial wear.

ADVANTAGES

- Non-metallic aggregate
- No additions required – ready to use
- Extremely hard-wearing aggregate resulting in high resistance to abrasion and impact
- Monolithic bond to host concrete
- Resistant to oils and greases
- Various colors.

TECHNICAL DATA

Comprehensive strength

28 Days 70 N/mm²

Abrasion resistance Test data indicates that Concrete floors treated With **PACTOTop Dryshake FH** exhibit an abrasion resistance 300% better than that exhibited by 40N/mm² concrete on its own.

Hardness

When tested against the Mohs hardness scale, the synthetic aggregate used in **PACTOTop Dryshake FH** provided values in excess of 7.0.

Impact resistance

Testing in accordance with BS 8204: Part 1: 1987 gave results 3.5 times better than those required of a screed designed to withstand heavy Traffic.

APPLICATION

Preparation

It is essential that adequate planning of the application is made in advance and that sufficient material is laid out to meet the requirements of the application.

The base concrete slab should have a thickness not less than 80mm and the concrete mix design should be formulated as follows:

Water/cement ratio	< 0.50
Cement content/ m ³	> 300kg
Slump	> 75mm
Air entrainment	< 2 %

Vacuum dewatering should not be used.

Application

PACTOTop Dryshake FH should be applied at the rate of (3 to 5 kg/m²) for medium duty and (5 to 7kg/m²) for heavy duty depending on the degree of traffic anticipated.

PACTOTop Dryshake FH must be applied as soon as the base concrete has reached the stage where light foot pressure leaves an indentation of around 5mm or as soon as it is practicable to apply the product correctly without damaging the surface of the base slab.



On large applications, it is essential that sufficient operatives are available to work at a controlled rate behind the concreting team.

PACTOTop Dryshake FH is applied in two applications. The first application utilizes two thirds of the chosen application rate and is broadcast evenly across the surface but ensuring the material lands nearly vertically rather than spread horizontally. Once applied, the free water in the base concrete will slowly darken the applied material once this stage is complete, wood floating of the surface can commence. Do not over-trowel at this stage.

CURING

PACTOTop Dryshake FH should be cure with a curing membrane such as **PACTOCure WB or RB**, which has a curing efficiency greater than 75% when tested to BS 7542: 1992 “Method of test for curing compounds for concrete”.

LIMITATIONS

PACTOTop Dryshake FH must not be used in floor areas which likely to be exposed to acids or any other product which is known to attack Ordinary Portland cement concrete.

PACKAGING AND YIELD

PACTOTop Dryshake FH is supplied in 25kg paper bags.

Medium duty	3 - 5kg/m ²
Heavy duty	5 - 7kg/m ²

STORAGE AND SHELF LIFE

The shelf life of the product in sealed bags is typically in excess of twelve months.

Storage at high ambient temperatures or in high humidity environments may reduce the shelf life of the product.

HEALTH AND SAFETY

PACTOTop Dryshake FH is alkaline in nature and in a moist environment may be harmful and irritating to the skin, eyes and respiratory system.

Wear dust mask, gloves and goggles during handling.

Skin Contact should be treated with soap and water.

Contact with the eyes should be treated by rinsing well with copious amounts of water prior to obtaining medical advice.

FLAMMABILITY

PACTOTop Dry Shake FH is non – flammable.



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