

brix florhardner 850

A RANGE OF IMPACT AND ABRASION RESISTANT OXIDISING AND NON-OXIDISING METALLIC FLOOR HARDNERS.

SPECIFICATION TYPE

ACI Manual of Concrete Practice Part 1.

ACI 201 and 2R77 Guide to Durable

Concrete Section 3,4,6. Recommendations for obtaining abrasion resistant concrete surface.

BS CP204 situ floor finishes

BS 1047. BS 3900 Part F4.

DESCRIPTION

A range of metallic and non-metallic floor hardening compounds based on well graded metallic and non-metallic aggregates, activating chemicals and selected Portland cements. This range of high quality compounds are for use in industrial concrete flooring to produce impact resisting, abrasion resisting, dust free surfaces which withstand spillages of oil, grease and certain industrial chemicals. Available in two types: They are used as a trowelling in grade (broadcast or dry shake on green concrete) or as a thickness grade for incorporating the total thickness of the topping.

Brix florhardner hd

The general purpose product based on non-oxidising metallic aggregate used to produce an impact and wear resistant, dust free surface suitable for most heavy duty industrial situations, such as warehouses, car parks, garages and machine showrooms etc. Can be used in areas subject to constant wetting down either indoors or outdoors. This is not affected by oil/grease spillages and offers a non-slip surface.

Brix florhardner gp

Based on non-metallic aggregate for locations and industries where it is important that the floor be free of any ferrous content but a high degree of durability is essential. For light to medium duty areas such as walkways, shopping centers, etc.

PRIMARY USES

Brix florhardner is designed to increase the durability and impact resistance of industrial and commercial concrete floors. Brix florhardner can be used either by the dry shake method or incorporated into the concrete mix as a monolithic topping.

TYPICAL APPLICATIONS

Brix florhardner provides one of the hardest wearing impact resistant non-dusting floor surface in the following typical locations:

- *Engineering Workshops
- *Laboratories
- *Loading Bays
- *Garages
- *Subways
- *Breweries
- *Factories
- * Warehouses
- * Power Stations
- * Abattoirs
- * Bakeries
- * Car Parks
- * Refineries Desalination Plants
- * Agricultural Buildings, etc.

PROPERTIES

Typical properties of brix florhardner are as follows:

- Colour : Dark Grey
- Hardness : 7 on MOH's scale
- Storage Life : Upto 2 years when stored in accordance with manufacturer's instructions.
- Flash Point : Not applicable

COMPARATIVE WEAR TEST RESULTS:

TEST	CONTROL	Brix florhardner
1	0.75	0.42
2	0.70	0.37
3	0.62	0.32
Average	0.69	0.37

Test results show that brix florhardner significantly reduces the depth of wear. Tests were undertaken using Dorry Abrasion Machine.

DIRECTIONS FOR USE

Base Concrete: the base concrete should be designed to have a minimum cement content of 350kilo per cubic metre, with water cement ratio being kept to a minimum to produce zero slump. The base concrete should be placed in accordance with good concrete practice. Particular care should be exercised at bay edges and comers to ensure good compaction.

Method of Application-Dry Shake Method: brix florhardner should be applied when the base concrete is sufficiently firm to take the weight of both workman and power float and leaving foot prints no greater than 3mm in depth. It is essential that no free standing water is evident. Do not delay application when this point has been reached.

Broadcast the brix florhardner in two equal stages. Firstly, apply at the rate of 3.5kg.per.m². Carry out the first power or hand trowel and then repeat the operation, but broadcast the second stage at right angles to the first. Ensure that the first stage is completely trowelled in before continuing with the second stage.