

Fosroc® Nitoflor® Anti-Slip Grains 31



constructive solutions

(Previously known as Nitoflor Anti-Slip Grains)

Silicon carbide grains for slip and wear resistance on concrete floors

Uses

Nitoflor Anti-Slip Grains 31 are used in the finishing of concrete floors to make the surface slip and wear resistant, and at the same time allow a fine smooth surface to be produced. Suitable for use in schools, hospitals, public buildings, factories, on fire escapes, stairways, entrances, loading ramps, machine surrounds, etc.

Nitoflor Anti-Slip Grains 31 give a pleasant black speckling and glittering sparkle on the finished surface.

Nitoflor Anti-Slip Grains 31 are specifically designed for sprinkle on applications to suitably prepared concrete floor surfaces, either monolithically (on a new concrete slab), or with a suitable floor screed.

Nitoflor Anti-Slip Grains 31 are also suitable for use in high build epoxy roll coat floor coatings such as Nitoflor FC150 HP, to provide maximum slip resistance. Refer to the Nitoflor FC150 HP data sheet for application details.

Advantages

- Maximum slip resistance compared to many other floor hardener aggregates
- Non-staining
- Chemically resistant
- Applied at time of concrete placement
- Slip resistance increases with wear of the concrete floor
- Gives an aesthetically pleasing surface finish

Description

Nitoflor Anti-Slip Grains 31 are high purity, chemically treated, silicon carbide grains which have been ground and milled to give a specific shape and screen grading to ensure thorough bonding with the Portland Cement concrete surface mix.

Nitoflor Anti-Slip Grains 31 are shaped as such that they are not liable to break up under traffic conditions and become detached from the cement surface.

Design Criteria

Nitoflor Anti-Slip Grains 31 are applied as a single dry shake application in the aggregate form (as received), to a compacted, screeded and floated concrete base prepared by either the monolithic or topping method.

Specification Clause

Slip resistant concrete floor finish

The concrete floor finish shall be Nitoflor Anti-Slip Grains 31 applied at a rate not less than 0.5 kg/m² applied into the freshly placed concrete.

Properties

Aggregate:	Virgin Silicon Carbide graded and acid washed
Hardness (modified):	13 Moh's Scale 2480 Knoop 100
Chemical analysis:	>92% Silicon Carbide
Colour:	Black
Grain shape:	Angular
Crystallography:	Alpha
Sizing (nominal):	0.5 mm (- 5% max.) to 1.4 mm (- 5% max.)

Application Instructions

Nitoflor Anti-Slip Grains 31 are applied a a single dry shake application in the "aggregate" form as recieved, to a compacted, screeded and floated concrete base.

After the floating of the surface, but before the concrete has stiffened up too much, sprinkle on the Nitoflor Anti-Slip Grains 31 by hand, allowing the grains to sift through the fingers to obtain a uniform distribution of the product on the surface.

Tamp in the grains flush with the surface using a steel trowel taking care not to bury the grains too deeply in the concrete surface.

Close over the surface by steel trowel finishing ensuring that all holes and pits are closed up.

Finally, give the surface a texture by using steel trowel on the flat to produce a slip resistant finish. The surface will become more slip resistant as the cement surface surrounding the grains has been worn away by normal traffic wear.

Apply a suitable curing compound or keep damp with wet hessian in accordance with good concrete placement practices.

Supply

Nitoflor Anti-Slip Grains 31 20kg: FC605180-20KG

Coverage

Nitoflor Anti-Slip Grains 31: 0.5 kg/m²

The coverage figures given are theoretical - due to wastage factors and the variety and nature of possible substrates, practical coverage figures will be reduced.

Storage

Store in dry contitions in original packaging.

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Important notice

A Safety Data Sheet (SDS) is available from the Fosroc website. Read the SDS and TDS carefully prior to use as application or performance data may change from time to time. In emergency, contact any Poisons Information Centre (phone 13 11 26 within Australia) or a doctor for advice.

Product disclaimer

This Technical Data Sheet (TDS) summarises our best knowledge of the product, including how to use and apply the product based on the information available at the time. You should read this TDS carefully and consider the information in the context of how the product will be used, including in conjunction with any other product and the type of surfaces to, and the manner in which, the product will be applied. Our responsibility for products sold is subject to our standard terms and conditions of sale. Parchem does not accept any liability either directly or indirectly for any losses suffered in connection with the use or application of the product whether or not in accordance with any advice, specification, recommendation or information given by it.



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Parchem Construction Supplies Pty Ltd

7 Lucca Road, Wyong NSW 2259

Ph: 1800 812 864

www.fosroc.com.au

ABN 80 069 961 968

Distributed in New Zealand by: Concrete Plus Ltd

150 Hutt Park Road Gracefield Ph: 0800 657 156

www.fosroc.co.nz

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