

TECHNICAL DATA FOR BS FLOORDENSE-LI-N
Densifier based on Nano Silicates for Concrete Floorings

Description for BS FloorDense-Li-N

BS FloorDense-Li-N is a low viscosity, pore penetrating, Nano Lithium Silicate based reactive densifier that is used for densifying, dust proofing & polishing the concrete floor.

It is based on selected reactive, hydrophobic ultra fine silicate chemistry that penetrates deep into porous concrete. This system, chemically reacts & combines with free lime in the concrete mass turning it into a denser and harder surface offering particles hydrophobicity and higher abrasion resistance.

Using BS FloorDense-Li-N on cement bound substrates, hardening and polishing makes the concrete surface more resistant to abrasion and leads to less wearing out as compared to an untreated floor.

BS FloorDense-Li-N increases surface density and reduces absorption of water or liquids on the concrete flooring. This makes the surface easy to clean after its polished post treatment.

Advantages of BS FloorDense-Li-N

1. Creates Non-Dusting Concrete Flooring
2. Zero VOC, Low Odour & Non Yellowing quality.
3. It maintains breathability of the treated concrete as it is non-film forming.
4. Retains the natural look and enhances surface reflectance after grinding & polishing process
5. Water borne, easy application on large areas by flooding or spray.
6. Reacts quickly & deeply bonding with cement particles for fast hardening.
7. No need to wait 8 days, It can be applied on fresh concrete during the finishing stage as well as after 8 days of water curing and later grinded and polished, allowing faster finishing of flooring projects.

Instructions for using BS FloorDense-Li-N

1. BS FloorDense-Li-N is ready to use.
2. Apply by Micro Sprayer at a dose of 8 to 12 Sqm per kg on Green Concrete or by flooding and wiping if using on cured concrete.

3. Don't allow material to pond, spread with wiper / micro fabric
4. Wait 6-8 hours after application before starting polishing steps.
5. Do not apply in extreme temperatures i.e. above 40 °C or below 5 °C.
6. Clean tools by water immediately after application.
7. Protect surrounding areas by masking.

Use of BS FloorDense-Li-N

1. To harden, densify, or dustproof the cementitious surfaces of Interior or exterior Concrete floors
2. Warehouses & Light Duty Manufacturing Operation
3. Commercial Spaces & Parking area
4. Cementitious Terrazzo
5. Concrete Countertops

Essential Properties of BS FloorDense-Li-N

Appearance	Hazy Transparent Liquid
Flammable	No
Dilution	Not Needed
Film Forming	No
Sprayable	Yes
Full/Final Cure	24 Hrs

Property	Unit	Value	Comment
Density	Kg / cm	1.10	+/- 0.05
Solids	%	12	+/- 0
pH	Level	9	+/- 0.25
Shelf Life	Months	36	Indoors
Packaging	Kg	20 / 225	Pails / Drums

Disclaimer

The information in this sheet is provided for general guidance and is based on current knowledge and experience. Due to the variety of possible application methods and site conditions, no responsibility is assumed for results obtained under specific circumstances.