

TECHNICAL DATA SHEET FOR

FLOOR-PRO 606 LIQUID FLOOR DENSIFIER

FLOOR-PRO 606 LIQUID FLOOR DENSIFIER is a one-component water-based blend of reactive lithium silicate and additives providing enhanced densification and stain resistance ideal for use on both new and old concrete

FEATURES

- Can be applied over new or existing concrete
- Penetrates fast for a deep seal
- Hardens deep to improve durability even after grinding
- Darkens the concrete
- Surfaces wear better & last longer
- Enhances colour, gloss & clarity
- Helps prevent stains
- Minimizes dust for healthier indoor air quality (IAQ)
- Odorless, non-flammable, VOC compliant
- Helps reduce efflorescence and alkali silica reaction (ASR)

APPLICATION AREAS

- Concrete floor, wall, slab, bridge and concrete road surface. Dust-proofing on old concrete floor.
- As a surface hardener to improve the abrasion resistance of treated concrete, masonry and granolithic floors. Improving the density of new concrete to reduce penetration of oil, grease and other chemical solutions.
- Prepares surface for high gloss diamond polishing
- Locks in dyes for longer lasting color
- Improves resistance to staining
- Improves scratch resistance

PHYSICAL PROPERTIES

Chemical Composition	Water-based lithium silicate liquid densifier
Colour	Clear

APPLICATION GUIDE

Number of coats	2 coats
Theoretical Coverage	13 – 17 m ² /L
Substrate Temperature relative to dew point	≥ 3°C
Recommended application temperature range	Minimum 5°C Maximum 40°C
Relative Humidity	< 85%

SUBSTRATE REQUIREMENTS

- Concrete or screed substrate compressive strength should be a minimum of 25 N/mm² and adhesive pull off strength of 1.5 N/mm².
- The moisture content of concrete shall be < 4% or dried up to 85% RH as per BS8204. It shall be free from rising damp and must be waterproofed against negative ground water pressure.

SURFACE PREPARATION

- Concrete substrate must be clean, free of laitance and contaminants.

APPLICATION METHOD**Application with high speed burnish**

- Auto scrub the surfaces with clean water
- Apply first application of FLOOR-PRO 606 LIQUID FLOOR DENSIFIER while maintaining wet edge, spread evenly with polish microfiber pad and allow time to dry
- High speed burnish with a 800-grit diamond impregnated pad
- Apply second application of FLOOR-PRO 606 LIQUID FLOOR DENSIFIER
- High speed burnish with a 1500-grit diamond impregnated pad
- Apply FLOOR-PRO 606 LIQUID FLOOR DENSIFIER following manufacturer's instructions to complete protection and enhance appearance.

Polished concrete application

- Perform main grind using up to 200-grit resin or equivalent resin bond diamond
- Remove all dust and debris using an automatic floor scrubber and fresh water. Allow time to dry.
- Spray FLOOR-PRO 606 LIQUID FLOOR DENSIFIER with overlapping circular motion. Lightly use pad applicator fitted with polish microfiber pad to spread evenly on surface. Product does not need vigorous scrubbing and will not form a gel. As product is absorbed into surface, apply additional product as needed until saturation. Keep floor wet for 15 minutes, spreading with mop to avoid puddles. Allow time to dry
- Grind up to a 400-resin bond diamond or equivalent.
- Apply additional light application (optional) using polish microfiber pad. Allow time to dry before polish to the desired grit level

Notes

- Overspray and unprotected surfaces should be immediately washed off with fresh water. Apply polish following manufacturer's instructions to complete protection and enhance appearance
- Surface should be cleaned regularly using an automatic floor scrubber with cleaner, mixed with water according to manufacturer's directions.

PACKAGING

5 Litres

STORAGE AND SHELF LIFE

The products have a shelf life of 12 months and must be stored in accordance with national regulations. Keep the containers in a dry, cool, well ventilated space and away from sources of heat and ignition. Containers must be kept tightly closed. Handle with care. (Unopened and in good condition temperature 10°C to 30°C)

SAFETY PRECAUTION

- This product is intended for use by professional applicators. Refer to the safety information display on the container and in the safety data sheet (SDS) before using the product.
- Use this product in well-ventilated area, avoid skin contact, spillage on the skin should immediately be removed with suitable cleanser, soap and water.
- Eye should be well flushed with water and seek for medical attention immediately upon contact with this product.
- During the application, naked flame, welding operation and smoking is not allowed. Adequate ventilation should be provided.
- If you have any doubt regarding the suitability of use, refer to Nippon Paint for further advice.

DISCLAIMER

The information in this data sheet is given to the best of Nippon Paint's knowledge and practical experience. Users may consult with Nippon Paint on the general suitability of the product for their needs and specific application practices though it remains each user's responsibility to determine the suitability of the product for the user's particular use. The condition of the substrate and application are not within Nippon Paint's control. Therefore, no implied conditions, warranties or other terms will apply to the Product. Nippon Paint does not and cannot warrant the results which the user may obtain by using the product. In no event will Nippon Paint be liable to the user for any kind of loss (whether direct or indirect) even if Nippon Paint was previously advised of it. In line with Nippon Paint's policy for continuous development, Nippon Paint reserves the right to modify the product and the information in this data sheet without prior notice. It is the user's responsibility to check with Nippon Paint for the latest version of this data sheet. This data sheet has been translated into various languages. In the event of any inconsistency, the English version shall prevail.