



NanoFloor SL

High strength, chemical and abrasion resistant, self leveling epoxy flooring

Description	NanoFloor SL consists of graded aggregates bound in a pigmented epoxy resin binder allowing to achieve greater thickness and supplied as three component system as Part A, Part B & Part C pre-weighed for on site mixing. When laid, it provides a smooth, light reflective surface. It can be made available in a range of standard colors on request.								
Primary Applications	<p>NanoFloor SL is designed for use in wide range of industrial environments. It provides a dense, impervious, colored and chemically resistant floor surface which is hygienic and easy to clean.</p> <p>Typical applications include:</p> <ul style="list-style-type: none"> • Airport lounge and terminals etc • Shopping malls and convention centers • Hospitals Educational institutions. • Clean rooms • Car parks and garages • Kitchens • Plant rooms • Light industrial plants 								
Advantages	<ul style="list-style-type: none"> • Fast application minimizes down time • Chemically resistant - good resistant to a wide range of chemicals • Durable - good abrasion resistance • Hygienic - provides a dense, impervious, seamless floor surface which is easily cleaned • Attractive - Can be made in a wide range of colors to enhance the working environment 								
Standard compliances	NanoFloor SL complies with the requirements of the following standards: ASTM D 4138-88, ASTM C 267-01, ASTM C 579 - 01 Method B.								
Properties	<table> <tr> <td>Density:</td> <td>1800 kg/m³</td> </tr> <tr> <td rowspan="3">Compressive strength</td> <td>78.5 N/mm² at 3 days</td> </tr> <tr> <td>82.8 N/mm² at 7 days</td> </tr> <tr> <td>87.5 N/mm² at 28 days</td> </tr> <tr> <td>Chemical resistance:</td> <td>Excellent.</td> </tr> </table>	Density:	1800 kg/m ³	Compressive strength	78.5 N/mm ² at 3 days	82.8 N/mm ² at 7 days	87.5 N/mm ² at 28 days	Chemical resistance:	Excellent.
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Chemical resistance:	Excellent.								
Technical Support	Nano Vision provides a comprehensive technical support service to specifiers, end users and contractors and is able to offer on-site technical assistance.								
Packaging	8kg and 16 kg units								
Storage	Store in dry and cool place below 35°C. Protect from direct sunlight.								
Shelf life	24 months if store properly in original unopened packaging								
Instruction for use	<p>Surface preparation: Ensure the concrete foundation surface is dimensionally stable and free of dirt, dust, oil, laitance, paint, curing compounds etc. Bolt holes and fixing pockets should be free from any dirt or debris. If possible a roughened surface is preferable to smooth surfaces. Metal surfaces must be free from rust, loose scaling and paint. Shuttering should be covered with polyethylene to ensure a clean release.</p> <p>Priming: All surfaces should be primed with NanoPrimer designed for maximum absorption and adhesion to concrete substrates.</p>								



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Mixing:

Do not commence mixing until all surface preparation, cleaning and shuttering is complete. NanoFloor SL is supplied in preweighed units as Part A, Part B & Part C and do not split units during mixing. Mechanical mixing is necessary to produce a fully homogeneous mortar. The entire content of Part B should be emptied into Part A and the two components should be mixed thoroughly for 3 - 5 minutes. The mixed Part A & Part B should then be emptied into a suitable sized mixing drum or bucket. Then Part C should be added slowly while the product is being continuously mixed by suitable mechanical means, e.g. a heavy duty, slow speed drill (350 - 500 rpm) with a suitable mixing paddle. Larger quantities of NanoFloor SL can be mixed in a heavy duty paddle mixer; however, no more than can be reasonably used within the pot life of the product, should be prepared at one time.

Placing:

Ensure that sufficient mixed material is available to complete the work and achieve a continuous filling operation. The material should be poured on to the prepared and primed substrate as soon as mixing is completed. It should be spread to the required thickness using a serrated trowel with care taken not to over work the resin, spreading evenly and slowly.

Cleaning & disposal

Clean all equipment promptly using NanoSolvent. Cured material will have to be mechanically removed.

Precautions & Limitations

Minimum application temperature 5°C. It is recommended that concrete substrates should not have a moisture content of more than 75% RH.

Health & safety

NanoFloor SL does not fall into the hazard classifications of current regulations. However, it should not be swallowed or allowed to come into contact with skin and eyes. Suitable protective gloves and goggles should be worn. Splashes on the skin should be removed with water. In case of contact with eyes rinse immediately with plenty of water and seek medical advice. If swallowed seek medical attention immediately - do not induce vomiting.