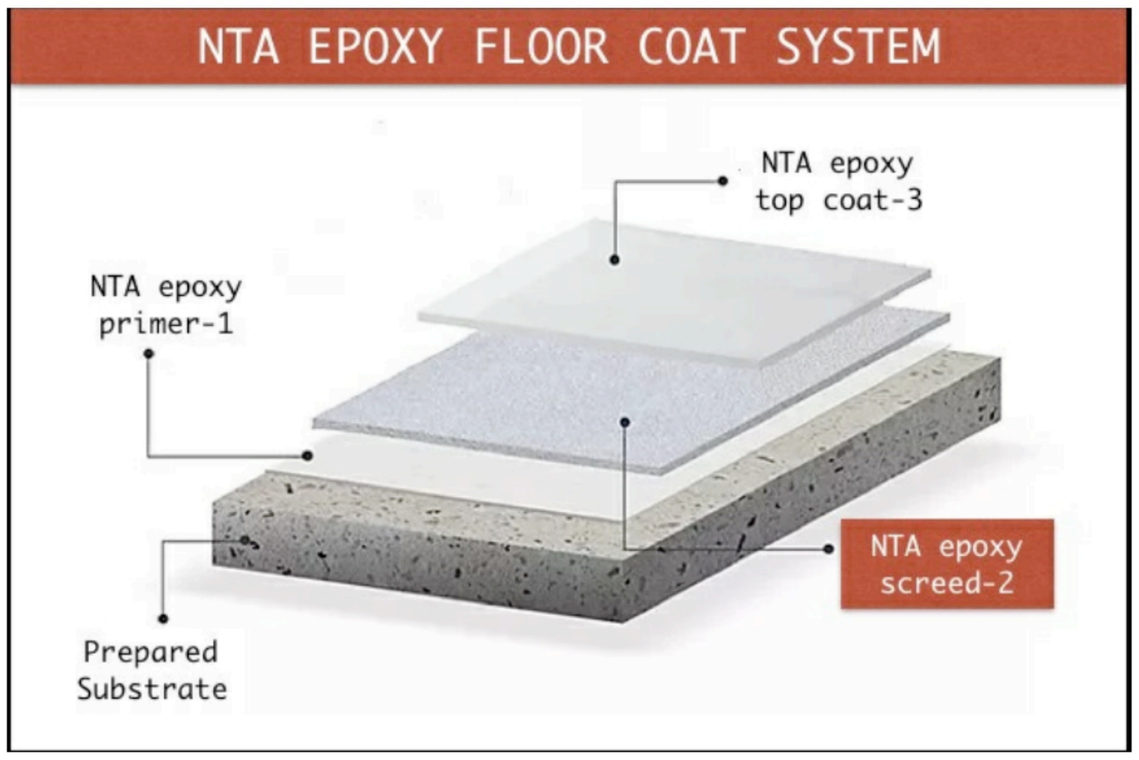
NTA 2 - SELF LEVELLING EPOXY SCREED



Epoxy self levelling screed HIGH PERFORMANCE, EPOXY RESIN FLOORING SYSTEM, SUPPLIED AS THREE PARTS IN A PREMEASURED PACK FOR EASE OF ON SITE MIXING AND USE. THE CURED RESINS FORM A SMOOTH, TOUGH 2-4 mm LAYER, WHICH CAN BE EASILY CLEANED

Features

- Hard wearing-durable with low maintenance costs.
- Resistant to a wide range of Chemicals and liquids.
- Seamless - easily cleaned to maintain high standards of hygiene.
- Self-smoothingproperties provide a flat high gloss finish.

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CURED RESINS FORM A SMOOTH, TOUGH 2-4 mm LAYER, WHICH CAN BE EASILY CLEANED DESCRIPTION A specialist applied, self-levelling, epoxy resin floor
finish combining outstanding wearing properties with CHEMICALSs resistance and decorative properties. Ideally suited in areas where a seamless, joint free finish is required and maximum cleanliness is essential. Clean rooms, and general light industry are just some of the environments that can benefit from
this system.

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SURFACE PREPARATION

It is essential that NTA 2 is applied to sound, clean and dry surfaces to ensure maximum adhesion.

SUBSTRATE PREPARATION

The concrete surface must be hard, sound and free of dust and other barrier materials such as paint, lime coatings, plaster, curing agents, laitance, adhesive residues etc., that will inhibit adhesion to the substrate. Use a suitable degreaser to remove polish, wax, grease, oil and similar contaminating substances prior to mechanical preparation. Contaminated concrete surfaces should be mechanically prepared, either by scabbling, grinding or contained shot blasting equipment or similar, and be vacuumed clean prior to applying NTA 2. Overwatered or otherwise weak concrete surfaces must also be suitably prepared down to sound, solid concrete by mechanical methods. Dust and other debris should be removed using vacuum equipment.

NOTE:
Any joints or cracks in the concrete base where differential movement is anticipated e.g. movement joints, should be brought through to the finished surface. New concrete slabs must be allowed to cure for at least 14 days.

PRIMING:

All areas to be treated with NTA 2 must first be primed with NTA CHEMICALS NTA 1 Solvent Based Epoxy Primer. One or more coats of primer may be required depending upon the condition and the porosity of the concrete substrate. High porosity substrates may be revealed after preparation and will be evident by their rapid suction and absorption. If in doubt use two coats of NTA CHEMICALS NTA 1 Solvent Based Epoxy Primer. Poorly primed surfaces may lead to blistering or pin holding in the cured resin.

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MIXING:

The individual contents of the NTA 2 should be thoroughly stirred before being mixed together. The entire contents of the Part A and Part B should be poured in to a larger mixing vessel to incorporate the Part C. Mix thoroughly with a spiral mixing paddle in a slow speed drill. Finally the Part C is added to the same vessel together and the mixing of all the three should Continue until a consistent homogenous mix is achieved. One or more packs may be mixed simultaneously to ensure a quick rate of installation.

NOTE:

Once mixed, the NTA 2 will generate heat and lose working time if it is left in the mixing container or otherwise kept in bulk.

APPLICATION

The mixed NTA 2material should be applied to the prepared and primed surface without delay using a trowel or depth set rake to achieve the desired thickness. As soon as the NTA 2 has been laid and as work progresses, the surface should be gently rolled with a spiked roller in order to release any entrapped air from the mix also to blend out any trowel marks. The work area should be protected during the installation process and during the initial curing time to ensure that no debris can contaminate the surface of the resin, as this will lead to unwanted blemishes in the hardened, cured surface.

LIMITATIONS

NTA 2 should not be applied to floors that are known to have rising moisture or have relative humidity of greater than 75% at the time of application. These products should not be applied in temperatures less than 10°C or where the ambient relative humidity is greater than 85%. Once the mixed material has exceeded its pot life, the viscosity and the characteristics of the product will change and any unused product should be discarded at this time. Do not steam, clean or use hot water above 55°C to wash the surface.

NOTE

All products are manufactured under strict Quality Assurance procedures

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CLEANING

NTA 2 can be removed from tools and equipment by using NTA COATING Thinne immediately after use. Any hardened material will need to be removed mechanical..

PROPERTIES

The values shown are
typical of results obtained in the laboratory at 27 ± 1ºC. Actual performance values obtained on site may vary from those quoted.

PHYSICAL PROPERTIES

NTA 2	@ 27 ± 1ºC
Pot Life	60 mins
Initial Hardness	24 hours
Full Cure	7 Days
Application thickness	2-4 mm
Compressivestrength EN13892-2	78 N/mm2

MAINTENANCE

Good housekeeping and regular cleaning is essential in order to maintain the performance of NTA 2. It is particularly importance in areas that are subject to regular spillage of CHEMICALS. Spillages should not be allowed to dry, which results in higher concentrations of the CHEMICALS, which may lead to early failure. Regular cleaning of the surface with a rotary scrubbing machine in conjunction with a water miscible cleaning agent or hot water washing at temperatures up to 50°C is recommended.

PRECAUTIONS

In case of contact with the eyes, rinse immediately with plenty of water and seek medical advice and after contact with the skin wash immediately with plenty of soap and water (do not use solvents). Prolonged contact with the skin should be avoided, especially where the user has an allergic reaction to epoxide materials. Always wear gloves and eye/face protection is necessary. Observe personal hygiene, particularly washing the hands after work has been completed or at any interruption whilst work is in progress. Care should be taken when removing gloves to avoid contaminating the insides. In case of accidents seek medical advice.

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DISPOSAL/SPILLAGE

Spillage of any of the component products should be absorbed onto sand or other inert materials and transferred to a suitable disposable vessel. Disposal of such spillage or empty packaging should be in accordance with local waste disposal authority regulations

STORAGE AND SHELF LIFE

NTA 2 has a shelf life of 12 months if kept in a dry, store between 5ºC and 30ºC in the original unopened containers. The product should be protected from frost, away from direct sunlight and sources of heat. CHEMICALS RESISTANCE NTA 2 is resistant to a wide range of liquids and CHEMICALS, for specific information please refer to the following NTA CHEMICALS"CHEMICALS Resistance" chart.