

DURACRYL®

FLOORING SYSTEMS

Duracryl Flooring UK Ltd Crown House, 4 High street Tyldesley, Manchester, M29 8AL
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Product Data Sheet

Durapur 2mm Self-Smoothing

Field of Application

Durapur 2mm self-smoothing is a self-levelling, elastic PU smooth floor covering suitable for:

- Administration, offices
- Laboratories
- Distribution outlets and exhibition spaces
- Schools
- Hospitals
- Factories

Characteristics

- Comfortable for the user
- UV resistant
- Low noise, sound reduced environment
- Decorative
- Elastic
- Shock absorbing for falling pieces

Product Composition

Durapur 2mm self-smoothing contains solvent free PU resin, hardener, and natural quartz sand of various sizes. This product is manufactured under ISO 9001:2000 norms.

Specifications

Compressive strength	30N/mm ² (DIN 53454)
Flexial strength	14N/mm ² (DIN 53452)
Dilatation break point	ca 40%
Bond strength	>3N/mm ² (concrete failure)
Shore hardness A	~90 (ISO 868)
Shore hardness D	~90 (ISO 868)

Preparing the sub-base

The concrete floor must be roughened by shot blasting to remove all laitance on the cement and to ensure optimum bonding and adhesion for the covering. After shot blasting (of any other mechanical treatment) of the sub-base, the adherence, bond strength and compressive strength must be checked again. The sub-base is then ground and vacuum cleaned before the application of the regulating layer.

The good layer of the sub-base is important to ensure the regularity of the Durapur 2mm self smoothing coating. The regulating layer which thickness will depend on the quality of the sub-base and the needs of the user is then applied.

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Structure

Durapur 2mm self smoothing is made of:

- Regulating layer
- Coloured top coat on which the scattering of decorative coloured chips is recommended
- Surface treatment Protec Mat PU 1510

Curing and drying time

After it has hardened for about 12 hours at a temperature of 20°C, you may walk on the floor.

After 48 hours, the floor covering will tolerate light mechanical traffic. After 7 days, the coating has practically reached its final mechanical resistance and its chemical stability.

During this period, neither water nor chemicals should come into contact with the floor. If this should occur, white or coloured streaks could appear on the surface. Should liquid be spilled on a new floor covering within the first seven days of its life, the surface should be wiped and dried immediately.

Maintenance

Durapur 2mm self-smoothing is a seamless and non porous system. It is therefore easy to clean with most types of industrial detergents. A maintenance sheet is available upon request.

Hygiene

Durapur 2mm self-smoothing is a seamless and non porous system. When coved skirtings are made, the coating is applied in one continuous pass over floor and skirtings. The system therefore meets all the international hygiene and security standards, among which the GMP (General Manufacturing Procedures) and FDA (Food and Drug Administration) standards.

Colour Choice

Durapur 2mm self-smoothing is available in many colours that may be seen on the Durapur colour samples. Other colours are available on request. In certain cases, the working and environmental conditions may have an influence on the colour choice.

A standard sample is used to select the final colour and texture.

Environment

All Durapur products are manufactured according to strict environmental legislation.

Packaging materials are recyclable.

ISO 9001:2000 guarantee

Durapur 2mm self-smoothing is a certified ISO 9001:2000 high quality product, manufactured under careful supervision and strict control. However, in order to ensure an end result that fully meets your specifications, the site has to be assessed thoroughly, the appropriate products selected and application instructions carefully observed. If you deal with a recommended Duracryl distributor, you may be assured of a quality service and a floor covering that meets your requirements.

The purpose of this data sheet is to provide advice based on the most up-to-date knowledge. Nevertheless, we do not accept and legal responsibility for the contents. This document is not legally binding, and may be amended without prior warning.

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