



DURSIL Art 2-5

Flush monolithic flooring.

DESCRIPTION

High strength flush monolithic floor with concrete load bearing plate.

Application Terminology: "Facing" obtained by applying an anti-wear surface layer as a mortar of 20mm thickness of a mixture of marble chips - cement and epoxy concrete.

WHERE IT IS APPLIED

Flush monolithic flooring. Welded to the concrete load bearing plate. Ideal for use in civil applications. Shops, schools, hotels, banks, etc..

STRENGTHS

It is a long lasting, hard wearing flooring which is easy to maintain.

WEAKNESSES

Any issues may be caused by:

- 1) Inadequate consistency and bearing of the existing concrete screed.

NOTE:

The flooring is polished and may be coloured.

The surface may be treated with **COVERSIP** (part of the **CHEMIDUR** range) neutral or coloured, with dust free, waterproof and shine coating.



SPECIFICATION FOR THE DESIGN

DURSIL Art 2-5 monolithic flooring comprising:

A) SURFACE LAYER

A mixture based on marble chips and hard minerals with the addition of special binders and epoxy additives in a special water based vehicle, with a homogeneous granulometric curve of between with a thickness of 2cm approx. The compound is applied as mortar to existing concrete.

B) EXISTING CONCRETE SCREED

Existing cured concrete screed. Cleaned of any impurities using mechanical equipment that roughens the surface.

C) SUPPORTING BASE

Soil stabilised using the Westergaard method.

DURSIL Art 2-5 MONOLITHIC FLOORING TECHNICAL DATA SHEET

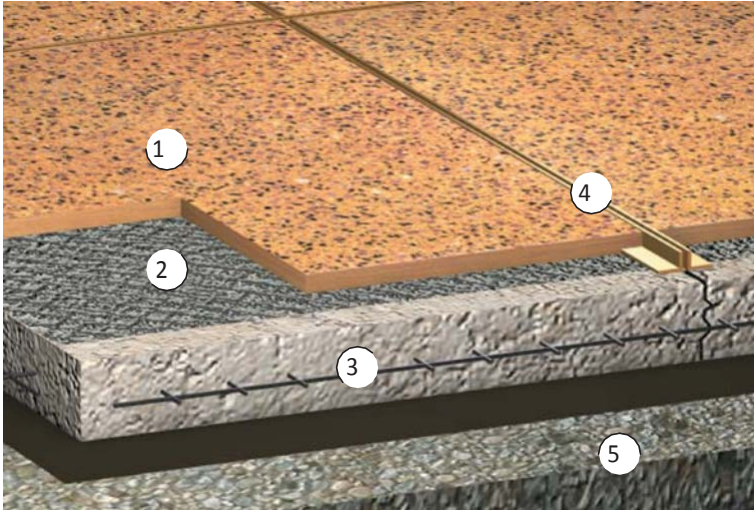
EXISTING SUPPORTING CONCRETE PLATE

Cleaning of the existing screed using a mechanical process that roughens the surface

FLOORING COMPOSITION

- 1) **A surface layer mixed with marble chips approx. 20mm in size.**
- 2) **Supporting concrete screed**
- 3) **Stabilised load bearing soil**

Contraction joint are sawn mechanically to usual size of 2 x 2ml.
The flooring must be isolated from elevated structures .



1) Anti-wear layer with mix of marble chips
2) Encourages adhesion to existing concrete plate
3) Existing concrete screed mechanically roughened.
4) Metal joint added at time of laying the floor.
5) Stabilised soil

Mixture of marble chips	Encourages adhesion	SUPPORT	JOINT	STABILISED
Compression \leq kg/cm ² 300 Usage \leq 9,5 cm ³ /50 cm ²	Application of appropriate bonding primer.	Existing concrete screed, load bearing, roughened and clean	Metal joint applied at time of laying the floor	Soil stabilized using several rolling phases and wetting with resistance between $K \geq 10/25$ kg / cm ³

SURCHARGES

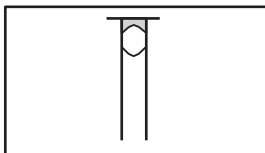
A surcharge is charged for the following colours: Red, white, black, brown, green.

COVERSIP Surface treatment (part of the **CHEMIDUR** range) neutral, coloured, added shine.

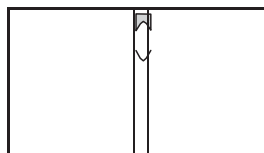
CONSTRUCTION JOINTS

The following construction joints may be used to enhance the use and performance of the flooring, for an additional charge.

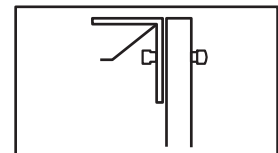
- 1 **Resin sealed contraction joint, construction joint in cement and quartz mortar.**
- 2-3 **Construction joints using metal joints applied at the time the floor is laid.**



1 - Joint SR



2 - Joint PM



3 - Joint MF

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