



DURSIL Art 5-5

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 10mm thickness of a mixture of marble chips - cement on concrete with a thickness of 5cm approx..

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.
- 2) A failure to plan for the appropriate thickness, type of concrete and reinforcement used. (premature wear, damage to construction joints, cracks in the slabs).
- 3) Failure to use **DURSICAL** concrete (crumbling, pitting, cavities, cracked state and warping.)

NOTE:

The flooring may be coloured and polished.

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 5-5 monolithic flooring comprising:

A) SURFACE LAYER

A mixture based on marble chips and hard minerals with the addition of special binders, with a homogeneous granulometric curve of between 0.125 - 5.0mm.

Mixed with water and cement

The compound is applied as mortar on fresh concrete and then finished.

B) LEVELLING CONCRETE SCREED

DURSICAL concrete screed of a thickness of 5cm.

(Formulated and reinforced concrete to achieve the performance required by the design of the project Resistance, durability and controlled shrinkage are basic elements of DURSICAL.). Thickness and reinforcement requires a design project.

C) EXISTING CONCRETE SCREED

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

D) SUPPORTING BASE

Soil stabilised using the Westergaard method

DURSIL Art 5-5 MONOLITHIC FLOORING TECHNICAL DATA SHEET

EXISTING SUPPORTING CONCRETE PLATE

Cleaned using mechanical equipment that roughens the surface.

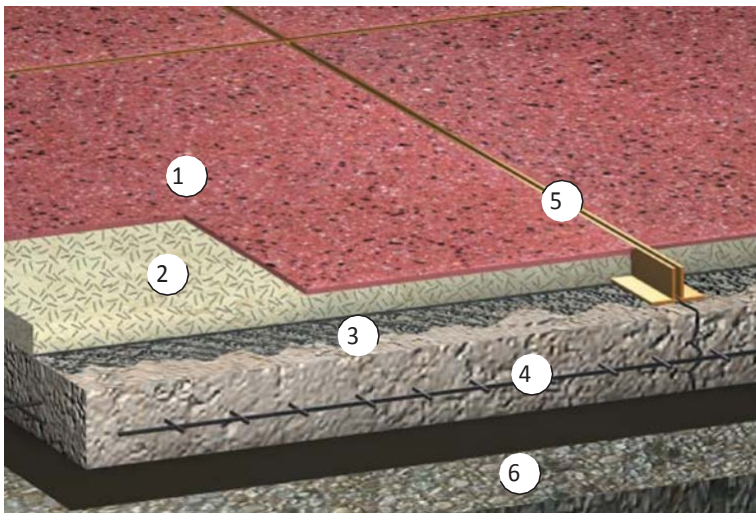
FLOORING COMPOSITION

- 1) A surface layer mixed with marble chips approx. 10cm in size.
- 2) DURSICAL supporting concrete screed of 5cm
- 3) Supporting concrete screed
- 4) Stabilised load bearing soil

The surface layer is applied to the concrete "Fresh on Fresh" using a mortar method.

The contraction joints are carried out use a mechanical cut of ordinary dimensions of ml 2 x 2.

The flooring must be isolated from elevated structures .



1) Anti-wear layer with MIX of marble chips
2) DURSICAL reinforced concrete screed according to the project.
3) Encourages adhesion to the existing concrete screed.
4) Existing concrete screed mechanically roughened.
5) Metal joint added at time of laying the floor.
6) STABILISED SOIL

MIXTURE of marble chips	DURSICAL	ENCOURAGES ADHESION	SUPPORT	JOINT
Compression \leq kg/cm ² 300 Usage \leq 9,5 cm ³ /50 cm ²	Concrete \gt Rck 35 fibre reinforced according to the project..	Application of appropriate bonding primer.	Existing concrete screed, load bearing, roughened and clean	Metal joint applied at time of laying the floor

SURCHARGES

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

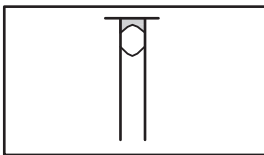
COVERSIP Surface treatment (part of the **CHEMIDUR** range) neutral, coloured, added shine.

CONSTRUCTION JOINTS

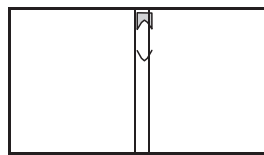
The following construction joints may be used to enhance the use and performance of the flooring, for an additional charge.

1 Resin sealed contraction joint, construction joint in cement and quartz mortar.

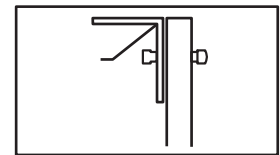
2-3 Construction joints using metal joints applied at the time the floor is laid.



1 - Joint SR



2 - Joint PM



3 - Joint MF

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