CHEMIDUR FX

MEDIUM STRENGTH MONOLITHIC FLOORING

Standard UNI 11146 - UNI 8298-1

DESCRIPTION

Monolithic floor with medium strength on an underlying plate.
Thickness of approx. 1.5-3.0mm of multi-layer synthetic resin applied to the concrete plate which is completely dry and has been roughened mechanically.

WHERE IT IS APPLIED

Suitable for loads (I) and operations (L) (See DIN Standard 1100) Food industries, wine industries, oil mills, slaughterhouses etc...

STRENGTHS

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

WEAKNESSES

Any issues may be caused by:
1) A lack of a damp proof course or barrier between the subfloor and the concrete slab.
2) A failure to plan for the appropriate thickness, type of concrete and reinforcement used. Incorrect sizing of the plates with respect to loads and anticipated movement.

NOTE:

The flooring is smooth and may be coloured.

SPECIFICATION FOR THE DESIGN

CHEMIDUR FX monolithic industrial flooring comprising:

A) **PREPARATION**
Prepare the application surface by using mechanical equipment and dust extraction

B) **SURFACE LAYER**
Application of epoxy and quartz primer.
A mixture based on spheroidal quartz and hard minerals with a homogeneous granulometric curve of between 0.125 and 1.5mm and synthetic resins with two coats of quartz dusting allowing at least 24 hours between each coat and final saturation.

C) **LOAD BEARING CONCRETE PLATE**
Cured concrete plate
(Formulated, reinforced concrete to achieve the performance expected by the design of the project. Resistance, durability and controlled shrinkage are basic elements of DURSICAL.)
Thickness and reinforcement requires a design project.

D) **SEPARATION BARRIER**
PVC isolation layer between the base and the flooring. Separation from the elevated structures

E) **SUPPORTING BASE**
Soil stabilised using the Westergaard method

CHEMIDUR FX FLOORING TECHNICAL DATA SHEET

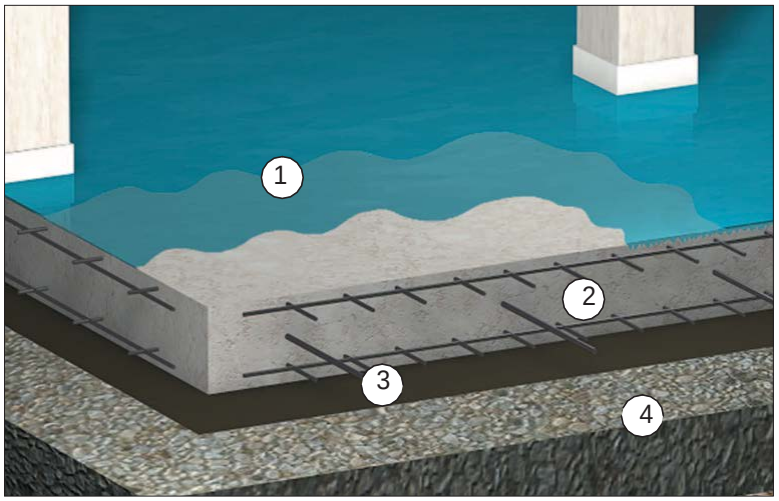
STABILISED SOIL

Excellent compaction of the load bearing soil by rolling in several stages.
(Westergaard method to comply with subfloor requirements for the floor design.)

FLOORING COMPOSITION

1) **CHEMIDUR FX surface layer with a thickness of approx. 1.5-3.0mm.**
2) **DURSICAL reinforced concrete plate**
3) **Damp proof barrier**
4) **Stabilised load bearing soil**

Load bearing weight of the flooring with respect to the project is variable from 2,000 to 4,000kg/m² with a static load.
The flooring must be isolated from elevated structures.



1) CHEMIDUR FX anti- wear surface layer.

2) Reinforced concrete plate according to the project.

3) PVC damp proof barrier

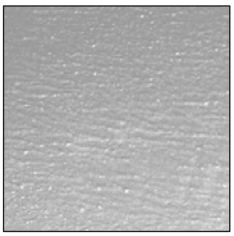
4) Soil stabilised using the Westergaard method.

CHEMIDUR FX	DURSICAL	BARRIER	STABILISED
Compression > 60 MPa Flexion > 25 MPa Traction > 30 MPa	Concrete ≥ RC 30 Reinforced with mesh or fibres Depending on the project Completely dry And roughened mechanically	Polyethylene sheet on top Separation from the structure In elevation	STABILISED SOIL In several steps Rolling and wetting with Resistance between K ≥ 10/25 kg/cm³

SURCHARGES

A surcharge is made for base colours.

Base colours and rough finish for illustrative purposes only.

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