



DURSIL 1-5

Flush monolithic flooring.
Standard UNI 1146

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 between 10 and 50mm on concrete with an appropriate adhesion primer D1-5.

WHERE IT IS APPLIED

Flush monolithic flooring. Welded to the concrete load bearing plate. Suitable for loads (II) and operations (M-P) (See DIN Standard 1100).

Heavy industry, intensive warehousing, workshops 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 capacity of the existing concrete slab

NOTE

The flooring may be coloured

The surface may be treated using a neutral or coloured, dust free, waterproof, shine coating of **COVERSIP** from the **CHEMIDUR** range.



SPECIFICATION FOR THE DESIGN

DURSIL 1-5 monolithic industrial flooring comprising:

A) **SURFACE LAYER**

A mixture based on spheroidal quartz and hard minerals with the addition of special binders, with a homogeneous granulometric curve of between 0.125 and 3.0mm, in ratio of 12 to 40 kg per m² per m². Mixed with water and cement. The compound is applied as mortar to existing concrete

B) **PRIMER**

Application of fixing primer D 1-5 by roller.

C) **EXISTING CONCRETE PLATE**

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

D) **SUPPORTING BASE**

Soil stabilised using the Westergaard method

DURSIL 1-5 MONOLITHIC FLOORING TECHNICAL DATA SHEET

EXISTING CONCRETE SUPPORTING PLATE

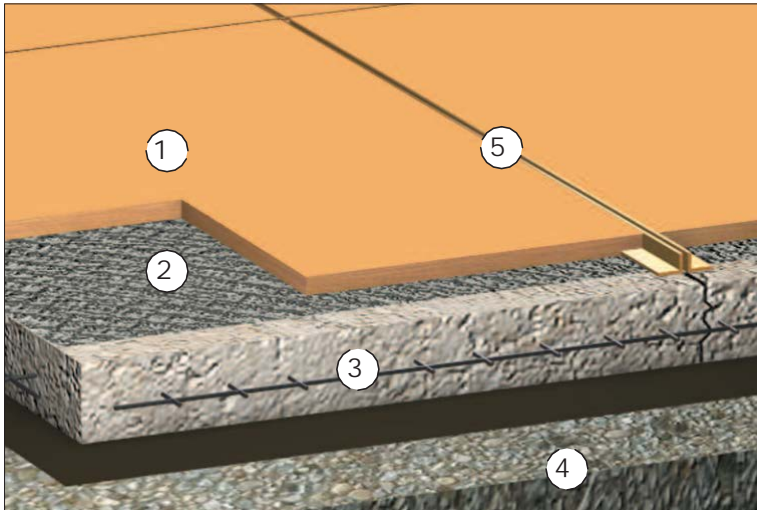
Clean the plate using mechanical equipment that roughens the surface.

FLOORING COMPOSITION

- 1) **DURSIL 1-5 surface layer of approx. 10-50mm.**
- 2) **Primer D 1-5**
- 3) **EXISTING CONCRETE SUPPORTING PLATE**
- 4) **Stabilised load bearing soil**

Load bearing weight of the flooring with respect to the project is variable from 5,000 to 10,000kg/m² with a static load.

The surface layer is applied to the concrete using a mortar method which has been prepared mechanically and with an application of D 1-5 Primer.



1) DURSIL 1-5 anti- wear surface layer.
2) D1-5 Adhesion primer on the existing concrete plate.
3) Existing concrete plate mechanically roughened.
4) Stabilised soil
5) Sealed joints

DURSIL 1-5	ADHESION PRIMER	PLATE	STABILISED	JOINT
Compression < kg/cm ² 870 Torsion < kg/cm ² 120 Usage < 3,5 cm ³ /50 cm ²	Application of appropriate PRIMER D 1-5 coupling	CONCRETE PLATE existing, load bearing roughened and cleaned	STABILISED SOIL	Sealing of Sawn joints using a filler cord and filling in resin (Surcharges)

SURCHARGES

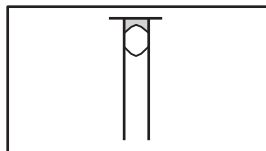
A surcharge is made for the following colours: Red, white, black, brown, green.

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

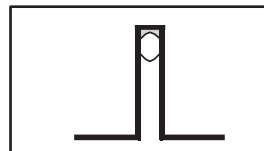
CONSTRUCTION JOINTS

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

1-2 sealed, resin contraction joint, metal profile construction joint.



1 - Joint SR



2 - Joint PM

S.I.P.I. Nord S.r.l.

100191 Roma - Corso Francia 183 - Tel. +39 06 36381299 - Fax +39 06 36382132

www.sipierl.it - E-mail: info@sipierl.it

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