



## **CHEMIDUR SP**

### **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 self-levelling 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, laboratories, hospitals 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.
- 3) 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 SP industrial monolithic flooring composed of:**

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 and synthetic resins, applied with a notched trowel and finished with a spiked roller to remove surface bubbles.

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 SP ANTI-STATIC FLOORING TECHNICAL DATA SHEET

## STABILISED SOIL

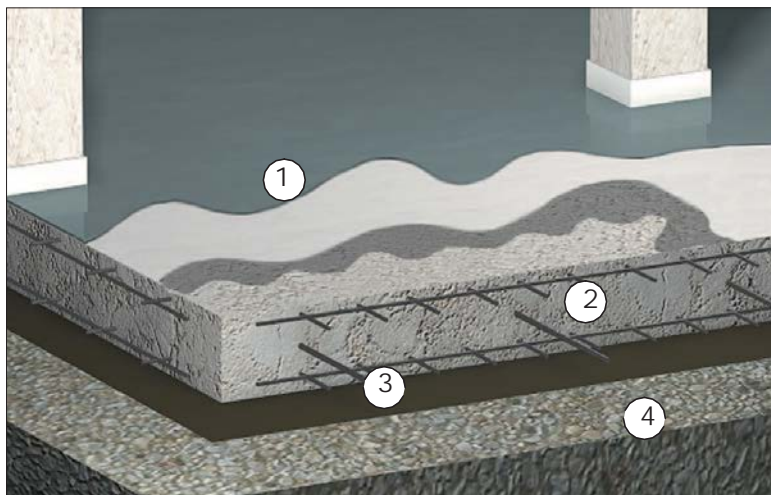
Excellent compaction of the load bearing soil by rolling in several stages.  
(Westergaard method to comply with subfloor requirements for the floor design.)

## FLOORING COMPOSITION

- 1) **CHEMIDUR CE** Anti-static 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/m<sup>2</sup> with a static load.

The flooring must be isolated from elevated structures .



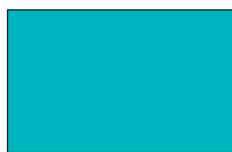
<b>1) CHEMIDUR SP anti-static, anti-wear surface layer.</b>
<b>2) Reinforced concrete plate according to the project.</b>
<b>3) PVC damp proof barrier</b>
<b>4) Soil stabilised using the Westergaard method.</b>

CHEMIDUR SP	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/cm <sup>2</sup>

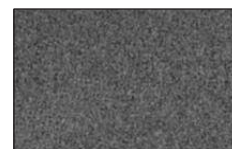
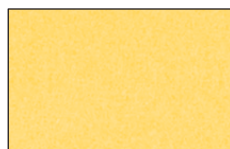
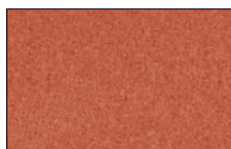
## SURCHARGES

A surcharge is made for base colours.

Base colours for illustrative purposes only.



Micronised base colours for illustrative purposes only.



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

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

**[www.sipisrl.it](http://www.sipisrl.it) - E-mail: [info@sipisrl.it](mailto:info@sipisrl.it)**

All data contained in this brochure are supplied for information purposes only. Therefore they are not binding in any way our company, which reserves the right to modify its products. Each contract will be specifically evaluated, from time to time, to ensure the suitability and specifications of the products in relation to their specific use.

Copyright SIPI Nord. The reproduction of data and drawings is strictly prohibited.