TECHNIFLOOR®

CE EN 13813

U.D. GEO BASE System

U.D. Geo Base. Filtering and self-blocking. Sub-floor for filtering systems

IPM Italia
SOLUTIONS THAT LAST

Description

U.D. Geo Base is a sub-floor with resinous binders, self-blocking and filtering.
It is suitable to direct laying on damaged subbases with coefficient of reaction K equal to 9 N/sq mm.
U.D. Geo Base represents the perfect solution for a surface accessible to vehicles with filtering power able to overcome hydrogeological restrictions and to respect the territory

Performance/Advantages

- Direct application on damaged supports
- Application on concrete, asphalt and tile-made supports for the recovery of important heights
- Perfect integration through its typical natural grit solution and draining
- Resistance to mechanical stress and temperature range
- Resistance to freeze/thaw cycles and to the action of fluids anti-ice and the icing salts
- Resistance to hydrocarbons

Use

- Squares, avenues or common areas to recover in outdoor environment
- Specific as support for surfaces that need a finishing with a natural aspect

Suggested preparation

- Subsidence of ground
- Analisys of the downflow of rainwater

Installation

- Laying of geo-fabric for containment of mortar
- Installation of mortar Resipox and inert Duromix Geo Base, for a total consumption of 18÷36 Kg/sq m

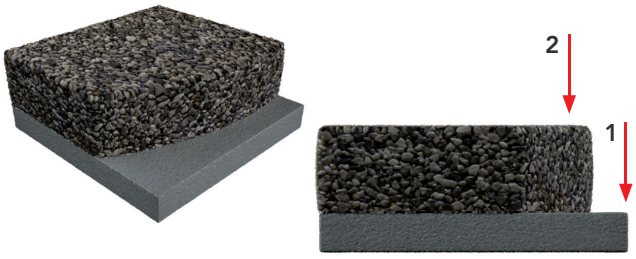
Note: higher resistance can be obtained by reducing granulometry curve of inerts, this leading to a reduction of total draining

TECHNICAL CHARACTERISTICS

Product hardening at 23°C - 7 days

Variable thickness (mm)	3 - 5 according to loads
Color	as per sample
Friction coefficient D.M. 236 del 14/06/1989 UNI EN 13451-1	> 0,40 dry or wet flooring
Aspect	Natural
Elastic module (DIN 1048) N/mm^2	15.000
Porosity (%)	> 30
Resistance to abrasion (Taber mola cs 17 - 1000 revolutions - 1000 g of weight) mg	40
Traffic	• 3 cm pedestral traffic • 5 - 7 cm cars traffic
Compressive strenght (DIN EN 196) N/mm^2	65
Filtering capacity dm^3/min	45 (equal to about 2700 l/m^2/min)
Permeability coefficient K	2x10^3
Temperature resistance (to air) °C	-20 ± 60
Reaction to fire (UNI EN 13813)	B_{fl}-s1

FURTHER INFORMATION CAN BE REQUIRED TO IPM ITALIA TECHNICAL OFFICE



Stratigraphy

1. POSSIBLE LAYING OF GEO-FABRIC
2. MORTAR RESIPOX AND INERT DUROMIX GEO BASE

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