

Ucrete TZ

“Terrazzo” finished polyurethane modified continuous floor, with high chemical resistance up to 150°C, thickness 9-12 mm, with high aesthetic value.

MATERIAL DESCRIPTION

Ucrete TZ is a unique heavy duty resin floor with exceptional resistance to aggressive chemicals, heavy abrasion and thermal shock. It provides a smooth protective floor finish suitable for applications in the food, pharmaceutical and manufacturing industries including clean room, laboratory, packing hall and warehouse applications and wherever a robust, long lived floor is required.

Applied for thicknesses from 9 to 12 mm, it allows the creation of continuous industrial floors that are extremely resistant to chemical attack, shocks, washing, drains and the spreading of liquids at temperatures up to 150°C (12 mm)

Ucrete Industrial Flooring has been widely used throughout the industry for more than 50 years; many of the older floors are still in service. A detailed project reference list is available upon request



The Ucrete TZ system is laid through the following procedure:

- application of the primer: Ucrete PSC or Ucrete PLC;
- application of Ucrete TZ screed;
- primary grinding to be carried out with a sander equipped with medium-grain diamond tools;
- grouting with Ucrete TC;
- fine grinding to be carried out with a sander equipped with fine-grained diamond tools;
- polishing: to be carried out with a sander equipped with specific tools.

FIELDS OF APPLICATION

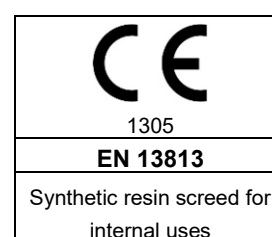
Ucrete TZ is typically used in the food, pharmaceutical, chemical industry and in all those industrial environments where chemical resistance, to impacts, to spreading and washing up to 150°C for 12 mm and 120°C for 9 mm is required, such as processing and storage areas subject to light / medium traffic (forklift trucks).

FEATURES AND BENEFITS

Ucrete TZ has completely unique features such as:

- resistance to a multitude of aggressive chemicals such as inorganic acids, organic acids, alkalis, solvents, amines, etc. (the very extensive list of chemical resistances is available in a specific document);
- temperature resistance:
 - 49 mm: it is completely resistant to the spreading and discharge of liquids up to 120°C. Suitable for cold temperatures down to -40°C
 - to 12 mm: it is completely resistant to the spreading and discharge of liquids up to 150°C and can be slightly steam cleaned. Suitable for cold temperatures down to -40°C
- it can also be applied on young concrete (at least 7 days);
- no water absorption and complies with the Government Legislative Decree No. Legislative Decree 193/2007 "EC Regulation 852/2004 concerning the hygiene of food products" (H.A.C.C.P);
- compliant with the requirements of the Consolidated Safety at Work (Legislative Decree 81/2008) and subsequent additions;
- cleanliness and hygiene: it has the same degree of cleanability as stainless steel and does not constitute a nutritional environment for the growth of bacteria;

In compliance with the European Regulation (EU No 305/2011 and EU No. 574/2014) the product is provided with the CE marking according to UNI EN 13813 and the relative DoP (Declaration of Performance).



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STORAGE

Store the material in the original containers, in a dry and covered place at a temperature between 5 and 30°C. Do not expose to direct sunlight.

PACKAGING

Product	Component	Packaging	Kg
Ucrete TZ	1	Tank	2,37
	2	Tank	2,86
	3	bag	24,8
	4	Little bag (reactive pigment)	0,5
	Kit		30,53

Product	Component	Packaging	Kg
Ucrete TC	1	Tank	0,77
	2	Tank	1,09
	3	2,5 bag	2x1,36
	4	Little bag (reactive pigment)	0,5
	Kit		5,76

System Build Up 1: 9 mm		Function	kg/m ²
Ucrete PSC	Primer		0,3
Ucrete TZ	Floor		21 - 24
Ucrete TC	Grouting		0,3
Ucrete TC PU Clear	Optional glossy finish		0,05
System Build Up 2: 12 mm		Function	kg/m ²
Ucrete PSC	Primer		0,3
Ucrete TZ	Floor		26 -27
Ucrete TC	Grouting		0,3
Ucrete TC PU Clear	Optional glossy finish		0,05
Technical data in accordance with UNI EN 13813		Limits and class	Performances
Adhesion to concrete	UNI EN 13892/8 on substrate MC (0,40) UNI EN 1766.	(MPa) B0,5, B1, B1,5, B2	Class B >2
Abrasion resistance	UNI EN 13892/4 (BCA)	AR6, AR5, AR05	Class AR0.5
Impact resistance	UNI EN ISO 6272	IR J (J impact energy N·m)	IR > 4
Compressive strength	UNI EN 13892/2	(MPa): C5 C70	> 50 MPa, Class C50
Tensile strength for bending	UNI EN 13892/2	(MPa)	6 MPa
Flexural strenght	UNI EN 13892/2	(MPa)	14 MPa
Coefficient of linear thermal expansion	UNI EN 1770	-----	2.4·10 ⁻⁵ K ⁻¹
Fire reaction class	UNI EN 13501/1	A1 _{fl} , A2 _{fl} , B _{fl} , C _{fl} , D _{fl} I, E1 _{fl} , S1, S2	B _{fl} -S1

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APPLICATION SHEET

See the document “Ucrete Application Manual”.

CHEMICAL RESISTANCE

Ucrete TZ offers exceptional resistance to a wide range of chemical aggressors.

See the document “Ucrete Chemical Resistances”

CLEANING

Tools used for mixing and applying the material can be cleaned with polyurethane thinner.

FLOOR CLEANING

For every detail relating to the cleaning aspects of the floor, always refer to the specific document "Ucrete Cleaning"

WARNINGS

The physical chemical matrix of Ucrete systems can favour superficial yellowing phenomena of the coating in particular for areas subject to UV rays; the phenomenon is particularly evident for light shades.

SAFETY INSTRUCTION

For information on the correct and safe use, transport, storage and disposal of the product, consult the most recent Safety Data Sheet.

OTHER SERVICES

For price analysis, specifications, supplementary brochures, references, reports and technical assistance, visit the website www.master-builders-solutions.com/it-it or contact infomac@mbcc-group.com.

Scan the QR code to visit the product page and download the latest version of this datasheet.



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This version supersedes all the previous ones.