



ESICEM SPRAYABLE STRUCTURAL CONCRETE BS25

**ESICEM SPRAYABLE STRUCTURAL CONCRETE BS25 IS A CEMENT-BASED PRODUCT. SELECTED CALCARY INERT AND SPECIFIC ADDITIVES, MAKE THE PRODUCT HIGHLY RESISTANT AND IMPROVES WORKABILITY AND ADHESION. FOR INTERNAL AND EXTERNAL PLASTERS.
UNI EN 998-2 COMPLIANT**



SCOPE OF USE

Interior or exterior plastering on traditional surfaces. Suitable for making the wall structural. Plastering machine application.

FEATURES

The consistency of product guarantees uniform performance, good workability and excellent adhesion to the substrate. The high resistance performance allows the product to be used on structural walls.

DESTINATION

Indoor/outdoor

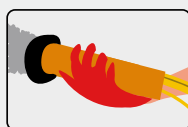
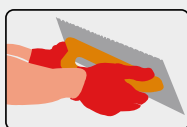
SUBSTRATE PREPARATION

The masonry must be free of dust, dirt, oils, salt efflorescence and loose parts. Masonry that has been plastered must be previously treated with a specific consolidating primer that guarantees excellent solidity to the substrate and ensures adhesion and cohesion to the subsequent application. Clean and treat the reinforcement iron. If necessary, apply electrowelded mesh anchored to the underlying wall. If there are no joints, reinforce with suitable plaster mesh. The positioning of corner protectors and the creation of reference bands must be carried out with the same product. Moisten the surface a few hours before application.

USE

Application by hand or by plastering machine. It is recommended to spray the product with the use of limited piping (about 10 to 15 meters). Check the correct dosage of water by adjusting the relevant flow meter of the plastering machine. **THE USE OF A PREVIOUSLY USED MIXING SCREW IS RECOMMENDED.**

Before material pumping begins, run a slurry of water and cement through the machine. The application thickness should not be less than 1 cm and should not exceed 2.5 cm. To increase the application thickness wait for the underlying surface to set before working. Then proceed by applying sequential layers having a maximum thickness of 1.5 cm respecting the waiting time between layers. For subsequent applications, after curing is complete, intervene by applying a premixed plaster and finishes according to the desired aesthetic effect.



PACKAGING

25 KG BAG
N° 64 BAGS/PALLET WITH CAP
EUR OR EPAL TYPE PALLET
Debitèd and credite

TECHNICAL DATA

Particle size	< 3,0mm
Powder density mass	1400 kg/m ³
Hardened density mass	1900 kg/m ³
Kneaded volume mass	2000 kg/m ³
Dry volume mass	1800 kg/m ³
Compressive strenght in 28 dd	35,0N/mm ²
Flexural strenght in 28dd	> 5,0N/mm ²
Mechanical Tear Strength	> 0,15N/mm ²
First shear resistance	> 0,15N/mm ²
Water vapor permeability	μ 15/35
Thermal conductivity (v.t. P=50%)	λ 0,83 W/mK
Fire reaction	EUROCLASS A1
Water absorption	> 0,4 kg/(m ² .min0,5)
Standard class UNI EN 998/1	GP - CSIV - W0
Standard class UNI EN 998/2	M 35
Theoretical consumption per 1 cm thickness	16 Kg/m ²

APPLICATION FEATURES

Mixing water	21%(±2)
Fresh mortar life time	1 hour
Fresh mortar workability time	20 min
Plastering machine downtime	< 15 min
Minimum thickness	20 mm
Maximum applicable thickness for each coat	25 mm
Mixing times for laboratory tests Standard Class UNI EN 1015-2:2007*2)	45 seconds - speed 1 (including water incorporation)

WARNINGS

Application temperatures +5°C to +30°C. Do not apply on frozen or thawing substrates or in environments with high temperatures both during the application phase and in the following 24 hours. Do not apply in the presence of strong ventilation especially in the summer period. Do not apply on surfaces with the presence of strong rising damp. For interior or exterior applications on thermal blocks or thermal panels (coats), absolutely request information from the Esincalce Technical Office at 0731.811172 or by e-mail info@esincalce.com

TOOLS

Plastering machine, cement mixer, trowel, aluminum straightedge.

CONSUMPTION

About 16 kg/m² per cm of thickness

CONSERVATION

Approximately 12 weeks, bound to the undamaged preservation of the packaging and storage in places not directly exposed to the weather.

SAFETY

USER WARNINGS

Concentrated substance may give an irritating effect on the skin. See safety data sheet. For disposal of any waste, follow Legislative Decree No. 22 of February 7, 1997, and related regulations. The hardened product can be taken to recovery facilities for materials from