## DAKOTA<sup>®</sup> TECHNICAL DATA SHEET rev. 2 - 07/23

## **EXTREME CONSTRUCTION SLAB**



#### INDEX

- 1. Code registry
- 2. Description
- 3. Use
- 4. Features
- 5. Technical specification

#### **1. CODE REGISTRY**

Code	Description	Measure (mm)	Weight (kg/m)	Pkg. / Pallet
INS04-50010	Construction slab EXTREME for outdoor application	2.000 x 1.200 x h. 12.5	9,00	2,40 m²/120 m²

MATERIAL Made of enriched plaster and covered with polyester fabric - fiberglass.

## 2. DESCRIPTION

The Extreme slab is an enriched gypsum panel for exterior cladding used in the construction of exterior walls, which, thanks to its special water and moisture resistant core to polyester - fiberglass coating on both surfaces, provides resistance to various weather conditions.

The Extreme slab has a low water absorption. It absorbs, in fact, less than 5% (of its own weight) after 2 hours completely immersed in water. However, it should not be used as a waterproofing material.

In addition to its high resistance to humidity, the Extreme slab also prevents the growth of mold thanks to its antimicrobial properties.

The Extreme sheet is classified class A1 according to TS EN 13501-1 (fire class of non-combustible building materials), so it can be used in areas where fire protection is required and in all contexts where "Non-flammable material" must be used.

The Extreme slab has a vapor permeable structure, thus preventing the confinement of moisture within breathable spaces, increasing the durability of the structure and ensuring to create healthier living environments.

Like all other dry construction systems, the ductile structure of the Extreme slab contributes positively to resistance in the presence of seismic events and/or landslides.

The Extreme slab has an equivalent cantilevered load-bearing capacity compared to traditional plasterboard wall systems. Therefore, it is possible to apply up to 30 kg/m<sup>2</sup> of ceramic coating.

## 3. USE

Used for the construction of:

Wall built-in systems for external facades

As a base for all types of exterior cladding, such as metal cladding, wood cladding, decorative brick, and in all under eaves applications.

Ventilated facades Surfaces and areas subject to high moisture content of the structure and ensuring to create healthier living environments.

Like all other dry construction systems, the ductile structure of the Extreme slab contributes positively to resistance in the presence of seismic events and/or landslides.

The Extreme slab has an equivalent cantilevered load-bearing capacity compared to traditional plasterboard wall systems. Therefore, the application of up to 30 kg/m<sup>2</sup> of ceramic coating is possible.



pag. 1/2

This data sheet supersedes and replaces all previous ones. The information contained herein is accurate to our present knowledge. Dakota Group S.a.S. assumes no responsibility or liability with respect to the information given. Dakota Group S.a.S. reserves the right to change specifications and models without prior notice. Dakota Group S.a.S. - Via Don Cesare Scala, 55 - Brentino Belluno (VR) - Italy - www.dakota.eu - info@dakota.eu

# **EXTREME CONSTRUCTION SLAB**

#### **4. FEATURES**

Lenght	2.000 mm
Width	1.200 mm
Thickness	12,5 mm
Average weight	11,5 kg/m²
Surface water absorption 2 hours (by weight)	<5% basato su TS EN520
Board type	TE (Bordo affusolato) SE (Bordo squadrato)
Fire class	A1: Materiale da costruzione sempre ignifugo, secondo TS EN 13501
Number of slab per pallet	50 pz./pallet
Standard	TS EN 15283-1+A1 Lastre in cartongesso rinforzate con fibre.
Standard type	GM – FHIR

#### **5. TECHNICAL SPECIFICATION**

Item	Description	U.M.	Price
Dak.B.INS04.50010	Supply and installation of noncombustible, moisture and mold-resistant panel that offers an improved coated fiberglass facer mat to maximize coverage of air/water barrier systems. Made of gypsum with fiber glass coating. Used for: • external walls, counterwalls and dropped ceiling; • high humidity environments; • supports for building coat insulation; • pillars and architectural elements exposed to atmospheric agents. • fire protection coverings.	m²	-



This data sheet supersedes and replaces all previous ones. The information contained herein is accurate to our present knowledge. Dakota Group S.a.S. assumes no responsibility or liability with respect to the information given. Dakota Group S.a.S. reserves the right to change specifications and models without prior notice. Dakota Group S.a.S. - Via Don Cesare Scala, 55 - Brentino Belluno (VR) - Italy - www.dakota.eu - info@dakota.eu