PRODUCT DATA SHEET

ITEM CODE: SEE DN
ISSUE DATE: 30/09/2025
REVIEW: NO. 7

CE

WINSTUCCO FLEX THIN

COMPLYING WITH THE LAW
EN 13888
ISO 13007
CG2 W
CEMENT GROUTS SEALANT

DESCRIPTION OF THE PRODUCT

Mono-component waterproofing grout with a low elastic modulus, suitable for applications on floors subjected to significant movement. Developed by WINKLER Research & Development Laboratories.

FIELDS OF USE

The product is specifically designed to seal and waterproof leaks in floors, including areas subject to significant movement, and is suitable for joints between tiles ranging from 0 to 2 mm. It is resistant to common detergents and most aggressive alkaline solutions, making it suitable for use in both interior and exterior applications.

SURFACE PREPARATION

Before filling, ensure that the tiles are properly installed and firmly fixed. Carry out the filling in accordance with the recommended waiting time. Remove any excess adhesive immediately before it hardens.

WARNING

Do not add cement or any additives.
Do not use the product if the packaging is damaged.
Do not add water once the mixture has begun to harden.
Do not apply on asphalt or bitumen-treated surfaces.

PRECAUTIONS

Do not use the product to fill joints or leaks larger than 12 mm, or for expansion joints on surfaces that are not perfectly dry or subject to backwater.
Apply the product at temperatures between +5°C and +35°C.

APPLICATION

Mix the product thoroughly to obtain a homogeneous, lump-free mixture. Ensure that the leaks or joint are clean, dry, and free from loose or brittle material. Apply the product using a trowel or spatula.

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CONSUMPTION
150-250 g/m^2

PACKAGING
5 - 25 kg bags

STORAGE
The product in its original and undamaged packaging, can be stored for up to 12 months. Store at temperatures between +5°C and 35 °C. The product is not frost-resistant.

SAFETY INSTRUCTIONS

PRECAUTIONS
For safety information, the user must refer to the latest Safety Data Sheet (SDS), prepared in accordance with applicable regulations. The SDS contains detailed information on the physical, toxicological, and safety characteristics of the product.

DISPOSAL AND ENVIRONMENTAL PRECAUTIONS
Do not release the product or empty containers into the environment. For detailed disposal instructions, refer to the most recent Safety Data Sheet (SDS).

TECHNICAL FEATURES
(average values)

WINSTUCCO FLEX complies with **EN 13888** and **ISO 13007** standards for cementitious grouts for filling joints and meets the minimum requirements for the **CG2 W** classification for reduced water absorption.

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PRODUCT PHYSICAL CHARACTERISTICS

FEATURES	RESULTS
Appearance	Powder
Colour	White – Dark grey – Light grey
Mixing water	20 %
Bulk density of fresh mixture (UNI EN 1015-6)	1800 kg/m^3
pH	>12
Pot life (+20°C)	50 minutes

CHARACTERISTICS OF CURED PRODUCT

FEATURES	RESULTS
Reaction to fire (UNI EN 13501-1)	A 1
Thermal conductivity λ (UNI EN 1745)	0.70 W/mk
Dampness resistance	Very good
Ageing resistance	Very good
Resistance to sodium chloride	Very good

PERFORMANCE OF THE PRODUCT IN USE ACCORDING TO UNI EN 13888 AND ISO 13007

FEATURES	METHOD	RESULTS
Abrasion resistance	UNI EN 12808-2	≤ 2000mm^3
Flexural strength after dry storage	UNI EN 12808-3	≥ 2.5 N/mm^2
Flexural strength after frost-thaw cycles	UNI EN 12808-3	≥ 2.5 N/mm^2
Compressive strength after dry storage	UNI EN 12808-3	≥ 15 N/mm^2
Compressive strength after frost-thaw cycles	UNI EN 12808-3	≥ 15 N/mm2
Shrinkage	UNI EN 12808-4	≤ 3.0 mm/m
Reduced water absorption (30 minutes)	UNI EN 12808-5	≤ 2 g
Reduced water absorption (240 minutes)	UNI EN 12808-5	≤ 5 g

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VOLATILE ORGANIC COMPOUNDS EMISSION

PARAMETER	MAX. ALLOWED CONCENTRATION (µg/m³)
TVOC after 3 days	≤ 750
TVOC after 28 days	≤ 60

Test performed by the EUROFINS Institute according to EN 16516, ISO 16000-3/6/9/11 and ASTM D5116-10. Test report n. 392-2017-00404102_G_EN_02.

The product complies with the requirements of Directive 2003/53/EC.

PRODUCT FOR PROFESSIONAL USE ONLY

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