PRODUCT DATA SHEET

ITEM CODE: SEE DN
ISSUE DATE: 28/05/2026
REVIEW: NO. 6

CE

WINLIVEL

COMPLIANT WITH EU NORM
UNI EN 13813
CT C30 F6 B2,0 A1fl
SCREED AND SCREED MATERIAL

DESCRIPTION OF THE PRODUCT

Self-levelling, cement-based, premixed product formulated with special binders and selected mineral fillers for indoor and outdoor applications, including use at high temperatures. Developed by WINKLER Research & Development Laboratories.

FIELDS OF USE

WINLIVEL is used for levelling floors with irregularities ranging from 1 to 15 mm including screeds or existing floors. Within a few hours, it forms a smooth and solid surface suitable for the installation of ceramic tiles, marble, terracotta, stoneware, parquet, resilient floor coverings, or liquid membranes from the WINKLER range.

SURFACE PREPARATION

Thoroughly clean the substrate to remove salts, oils, grease, loose or friable materials, and substances that could impair adhesion. Soak absorbent substrates with water before application. For ceramic or low-wettability coatings, apply **WINGRIP NEXT** as an adhesion promoter prior to the application of **WINLIVEL**.

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

For wood, parquet, and other coatings sensitive to humidity, apply **WINLIVEL** with a minimum thickness of 5 mm. It is also recommended to verify, using a carbide hygrometer, that the residual humidity of the substrate is ≤ 2% before proceeding with over-application. Apply the product at temperatures between +5°C and +35°C. Protect the surface from direct sunlight and wind during the first 24 hours; if necessary, keep the surface slightly moistened even after application. Remove fresh mortar from tools used for preparation and application with running water. Once hardened, the material can be only removed mechanically.

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APPLICATION

Mix the product with clen water until a perfectly homogeneous and lump-free mixture is obtained. To promote adhesion to the substrate, apply the product using a spatula, exerting slight pressure on the surface. While the product is still wet, use a spiked roller to eliminate any air bubbles and ensure a smooth, even finish.

Joints

During application, respect all existing joints in the substrate. It is recommended to separate **WINLIVEL** from walls and all emerging vertical elements. For the design, sizing, and construction of joints, refer to the provisions of **UNI EN 11493-1**.

Drying times

After 24-36 hours (at 20°C): acquires sufficient mechanical strength to be walkable
After 48 hours (at 20°C): possible to overlay ceramic floors and liquid membranes
After 14 days (at 20°C): suitable for overlaying stone materials, linoleum, wood, and parquet.

CONSUMPTION

2 kg/m^2 per mm of thickness

PACKAGING

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.

winkler® Advanced Building Material

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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)

WINLIVEL complies with the requirements of **UNI EN 13813** ("Screed materials"), particularly for the smoothing of uneven substrates.

FEATURES	RESULTS
Appearance	Powder
Colour	Grey
Water required per 25 kg bag	5 - 5.25 L
Density of the mixture (UNI EN 1015-6)	2.15± 0.05 g/cm^3
Pot life	90 minutes
Setting time	10 hours

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PERFORMANCE OF THE PRODUCT ACCORDING TO UNI EN 13813

FEATURES	STANDARD	RESULTS
Compressive strength (28 days)	UNI EN 13892-2	>35 N/mm²
Flexural strength (28 days)	UNI EN 13892-2	≥ 7.0 N/mm²
Adhesion to concrete	UNI EN 13892-8	>2.0 N/mm²
Reaction to fire (UNI EN 13501-1)	UNI EN 13501-1	A 1 $_{fl}$

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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