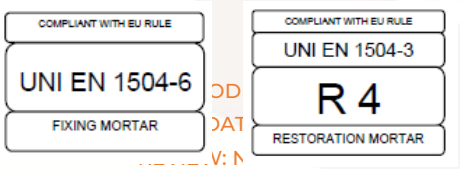
PRODUCT DATA SHEET

CE



WMA SPECIAL EP

DESCRIPTION OF THE PRODUCT

Quick-drying, pourable mortar specifically designed for lift shafts. The product features extremely low water absorption and is formulated with special agents that control shrinkage during both the setting and final hardening phases. **WMA SPECIAL EP** is made with selected aggregates in an optimised particle-size distribution and next-generation superplasticizers. Formulated by WINKLER Research & Development Laboratories.

FIELDS OF USE

After hardening, the product exerts constant pressure on the surrounding installation walls, helping to resist water ingress. The subsequent application of **WINPOX CEMENT TIXO** will seal any remaining rising damp. Remove any damaged or deteriorated concrete. If necessary, sandblast the surface or wash it thoroughly using a high-pressure water jet. The substrate must be free of salts, oils, greases, loose particles, and any foreign or anti-adhesive substances. Before application, saturate the substate with water until refusal.

SURFACE PREPARATION

Remove the degraded concrete if needed, sandblast or wash carefully with a jet of pressurized water the surface, that must be free of salts, oils, greases, crumbling parts and foreign or anti-stick substances. Soak the substrate before application.

For resuming casting on a dry substrate, apply **WINCOLLA** beforehand.

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.
Do not apply on smooth surfaces.
If necessary, use reinforcement elements to provide additional support.

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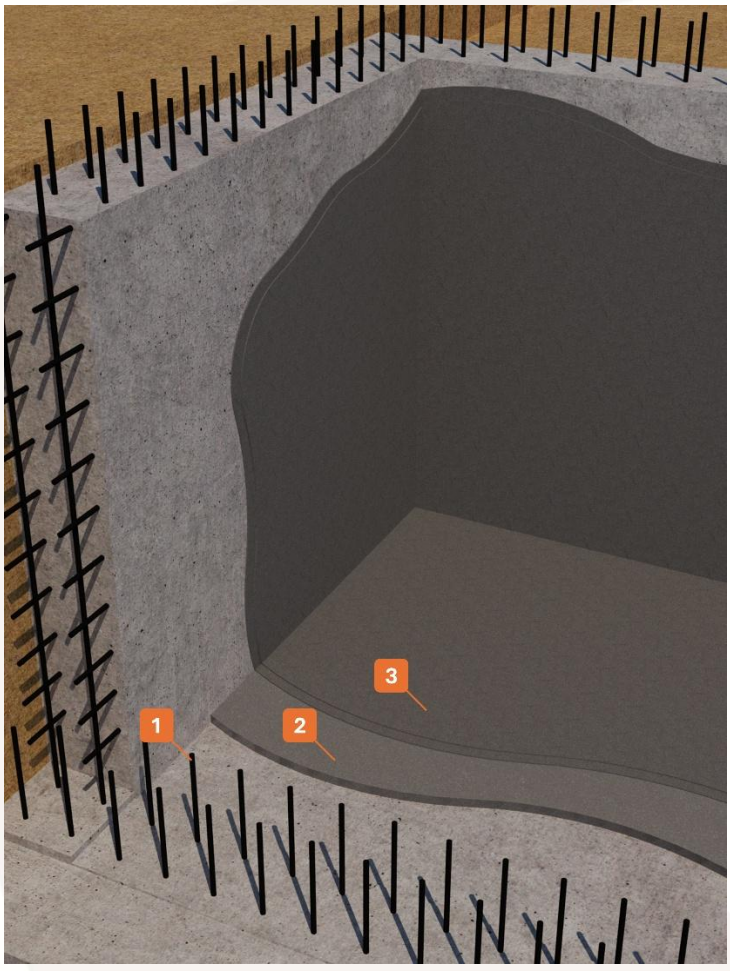
CE

PRECAUTIONS

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. Before use, store the product away from frost and in a dry environment protected from humidity. Mix the product with clean, cold water.
Remove fresh mortar from tools used for preparation and application with running water. Once hardened, the material can be only removed mechanically.

APPLICATION

Mix the product thoroughly until a homogeneous mixture is obtained. Apply **WMA SPECIAL EP** by pouring into the properly prepared area of the lift shaft. Finish the surface with a spatula or trowel. Apply rapidly in layers with a minimum thickness of 2 cm and maximum of 5 cm. After at least 3 days, apply **WINPOX CEMENT TIXO** in two coats.



LEGEND

1. Concrete structure;
2. **WMA SPECIAL EP;**
3. Tow coat of **WINPOX CEMENT TIXO.**

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CONSUMPTION
2.1 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.

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)

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TECHNICAL FEATURES
(average values)

WMA SPECIAL EP complies with the requirements defined in **ENV 1504-9** ("Products and systems for the protection and repair of concrete structures: definitions, requirements, quality control, and conformity assessment - General principles for the use of products and systems") as well as the minimum requirements of **EN 1504-3** ("Structural and non-structural repair products") and **EN 1504-6** ("Anchoring of steel reinforcement").

FEATURES	STANDARD	RESULTS
Maximum aggregate size	-	3.0 mm
Appearance	-	Powder
Colour	-	Grey
Mixing water per 25 kg bag		3.30-3.70 L
Specific weight	UNI EN 12350-6	2.250 kg/m^3
Pot life of mixture		10 minutes
Beginning of set		15 minutes
pH of mixture		> 12

MECHANICAL CHARACTERISTICS OF THE PRODUCT
ACCORDING TO UNI EN 1504-3

FEATURES	STANDARD	RESULTS
Compressive strength	UNI EN 12190	≥ 45 N/mm^2
Flexural strength	UNI EN 12190	≥ 5.5 N/mm^2
Adhesion to substrate	UNI EN 1542	≥ 4 N/mm^2
Restrained shrinkage/expansion	UNI EN 12617-4	≥ 2.0 MPa
Carbonation resistance	UNI EN 13295	Pass

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PRODUCT FEATURES
ACCORDING TO UNI EN 1504-6

FEATURES	STANDARD	RESULTS
Resistance to Pull-out	UNI EN 1881	Displacement ≤ 0.6 mm at 45 kN load
Adhesion to smooth steel		≥ 4.0 N/mm^2
Adhesion to steel with improved adhesion		≥ 35 N/mm2
Fire reaction (Euroclass)		A 1
Chloride ion content	UNI EN 1015-17	≤ 0.05 %

PRODUCT FOR PROFESSIONAL USE ONLY

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