PRODUCT DATA SHEET

ITEM CODE: SEE DN
ISSUE DATE: 18/02/2026
REVIEW: NO. 8

CE

WINFLEX CEMENT SUPER

COMPLYING WITH THE UE RULE
UNI EN 1504-2 (C)
PI-MC-IR
CONCRETE SURFACES PROTECTION SYSTEMS

DESCRIPTION OF THE PRODUCT

Two-component, elastic waterproofing and protective coating for concrete, screeds, and plasters. Suitable for structures in contact with drinking water. Developed by WINKLER Research & Development Laboratories.

FIELDS OF USE

WINFLEX CEMENT SUPER is used for:

- Waterproofing concrete tanks intended for water containment, including potable water.
- Elastic skim coating, also on lightweight concrete blocks.
- Protective surface coating, including on structures exposed to saline water.
- Coatings on viaducts and constructions potentially exposed to carbon dioxide attack.
- Skim coatings on cracked plasters to prevent further degradation.

After hardening, **WINFLEX CEMENT SUPER** becomes waterproof and resistant to adverse weather conditions, frost, and salts. It can remain exposed.

SURFACE PREPARATION

Remove any damaged or deteriorated concrete, if necessary. Sandblast or wash thoroughly with a high-pressure water jet to ensure the surface is clean and sound. The substrate must be free from salts, oils, greases, friable parts, and any foreign or anti-adhesive substances. Prior to application, saturate the substate with water, ensuring it is moist but not waterlogged at the time of product application.
For the reinforcement and sealing of the corners, apply **BC SEAL BAND**, a waterproofing butyl tape coated with polypropylene non-woven fabric.
For waterproofing of protruding elements, plumbing pipes and drains, use **BC SEAL PAD**, a self-adhesive butyl waterproof square.

<u>For joints up to 1 cm wide</u>

Seal joints up to 1cm wide using **WINJOINT BAND**, a waterproof, elastic joint cover strip made of rubber and polyester fabric, as follows:
After creating or restoring the joints, apply **WINFLEX CEMENT SUPER** on both sides of the joint, extending beyond the width of the joint cover.

Winkler Srl
Via M. Buonarroti, 15 - 20093 Cologno Monzese (Mi) - Italy
Tel. +39 02 26 700 605
info@winklerchimica.com - www.winklerchimica.com

Position the joint cover so that the lateral perforated edges adhere to the area pre-treated with **WINFLEX CEMENT SUPER** while the material is still wet.
Once dry, apply the final coat of **WINFLEX CEMENT SUPER** over the join cover.

For joints wider than 1 cm

Seal joints wider than 1 cm using a system consisting of **WINJOINT FOAM** (compressible joint filler), **WINJOINT SEAL** (polyurethane sealant), and **WINJOINT BAND**, as follows:
After creating or restoring the joints, insert **WINJOINT FOAM** into the joint to the required depth.
Apply **WINJOINT SEAL** along the entire length of the joint.
Once the sealant has cured, apply **WINJOINT BAND** as previously described for smaller joints.

WARNING

Do not add cements or any additives.
Do not use the product if the packaging is damaged.
Do not apply on asphalt or bitumen-treated surfaces.

PRECAUTIONS

Apply the product at temperatures between +5°C and +35°C. During the first 24 hours, protect the surface from direct sun and wind, and if necessary, continue to keep it damp after application. Store the product before use in a frost-free environment, protected from moisture. Mix the product with cold water. Fresh mortar can be removed from tools used for preparation and application with running water, while hardened material must be removed mechanically.

APPLICATION

Mix the two pre-dosed components by gradually adding the powder to the liquid until a homogeneous mixture is obtained. Apply the product using a spatula, trowel, or spray.

Reinforce the application with a suitable fiberglass mesh embedded into the first coat while it is still wet. Allow the first coat to dry completely (approximately 24 hours) before applying the second coat.

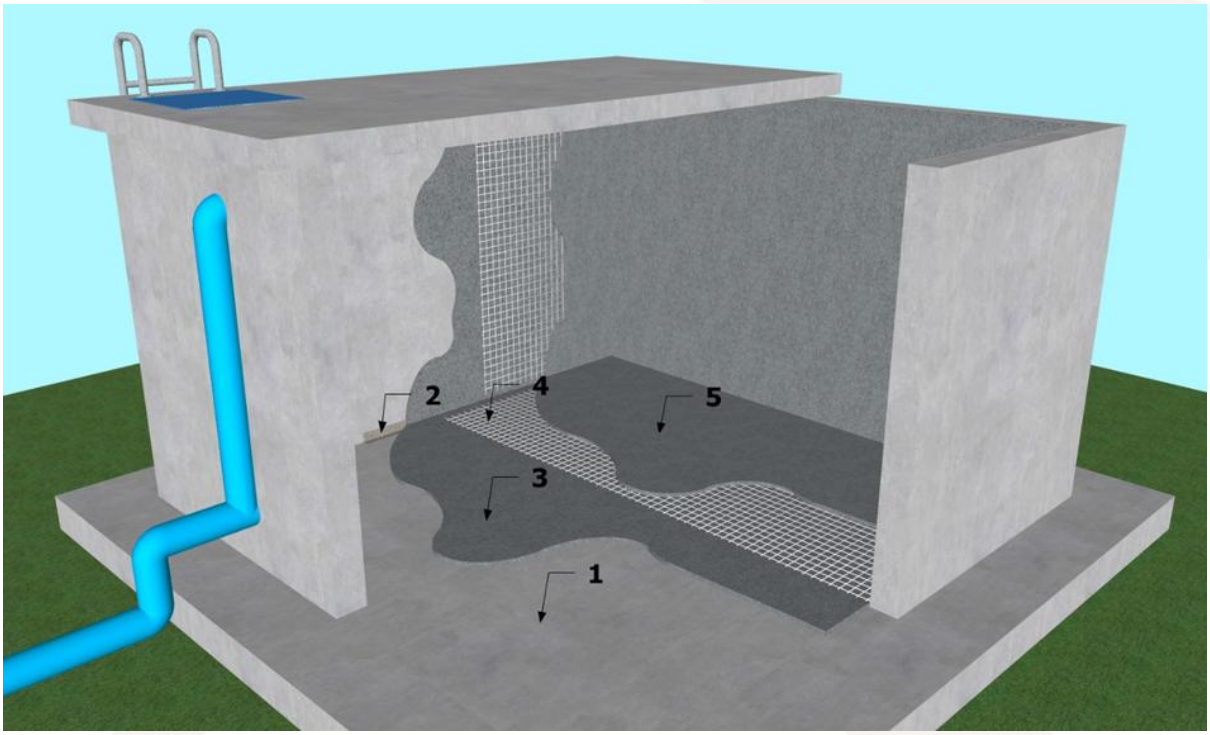
After complete hardening (7 days after the aplication of the final coat), the surface of **WINFLEX CEMENT SUPER** surface must be washed and dried before the structure can be filled with water.

.

Winkler Srl
Via M. Buonarroti, 15 - 20093 Cologno Monzese (Mi) - Italy
Tel. +39 02 26 700 605
info@winklerchimica.com - www.winklerchimica.com

PRODUCT DATA SHEET

CE



KEYS:

1. Concrete substrate
2. **BC SEAL BAND**, self-adhesive band
3. First coat of **WINFLEX CEMENT SUPER**
4. Anti-alkali mesh
5. Second coat of **WINFLEX CEMENT SUPER**

CONSUMPTION

1.7 kg/m^2 per mm of thickness
Recommended thickness: 2 mm each coat
Maximum thickness: 4 mm (applied in two coats with reinforcement)

PACKAGING

COMPONENT A: 20 kg bags
COMPONENT B: 10 kg cans

winkler® Advanced Building Material

Winkler Srl
Via M. Buonarroti, 15 - 20093 Cologno Monzese (Mi) - Italy
Tel. +39 02 26 700 605
info@winklerchimica.com - www.winklerchimica.com

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)

WFZ5 – WINFLEX CEMENT complies with the requirements of **EN 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") and meets the minimum requirements of **EN 1504-2** for cladding (**C**) in accordance with the **PI**, **MC**, and **IR** principles ("Concrete surface protection systems").

Winkler Srl
Via M. Buonarroti, 15 - 20093 Cologno Monzese (Mi) - Italy
Tel. +39 02 26 700 605
info@winklerchimica.com - www.winklerchimica.com

PRODUCT DATA SHEET

CE

FEATURES	COMPONENT A	COMPONENT B
Appearance	Powder	Liquid
Colour	Grey	White
Mixing ratio	2 parts	1 part
Dry content	100%	50%
Consistency	Plastic-applicable by trowel	
Mixing duration	60 minutes	
Mixture density	1700 kg/m^3	

FEATURES OF THE HARDENED PRODUCT

FEATURES	RESULTS
Adhesion to the substrate (UNI EN 1542) after 28 days at +20°C and 50% R.H.	
Concrete	≥ 0.95 N/mm^2
Fiber cement	≥ 0.65 N/mm^2
Tile	≥ 0.80 N/mm^2
Waterproofing against passive water pressure (UNI EN 14891-A 7) 4.0 bar in positive thrust	No penetration
Crack bridging ability (UNI EN 14891)	0.90 mm size (after 7 days) 1.20 mm size (after 28 days)
Release of components after immersion into water	No release (dry content 0%)

COMPLIANCE WITH CONCRETE PROTECTION STANDARDS UNI EN 1504-2

FEATURES	STANDARDS	RESULTS
Carbon dioxide permeability	UNI EN 1062-6	Sd>50 m
Water vapour permeability	UNI EN 7783	μ =1200, SD= < 5m Class I
Capillary absorption and water Permeability	UNI EN 1062-3	W< 0.1 kg/m^2.h^{0,5}
Direct adhesion	UNI EN 1542	≥ 0.8 N/mm^2
Chloride ion content		≤ 0.05 %

Winkler Srl
Via M. Buonarroti, 15 - 20093 Cologno Monzese (Mi) - Italy
Tel. +39 02 26 700 605
info@winklerchimica.com - www.winklerchimica.com

CE

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

DISCLAIMER AND LEGAL NOTICE – WINKLER

The information and instructions contained in this Technical Data Sheet are prepared on the basis of WINKLER's best technical and application knowledge and are provided for guidance only. However, since WINKLER cannot directly control site conditions or the execution of works, these indications are in no way binding on WINKLER.

The data provided do not exempt the purchaser from the responsibility of verifying, through practical tests and comprehensive applications, the suitability of the product for the intended use and of determining whether it is appropriate for the desired application; the user assumes all responsibility arising from its use. The customer is also responsible for verifying that this Technical Data Sheet is valid for the batch of product of interest and that it has not been superseded by later editions. The updated Technical Data Sheet is available on WINKLER's official website.

The contents of this Technical Data Sheet may be reproduced in other project documents, but the resulting document may under no circumstances replace or supplement the Technical Data Sheet in force at the time of application of the WINKLER product. Any alteration of the text or conditions contained in this Technical Data Sheet or derived from it releases WINKLER from any liability. WINKLER reserves the right to make technical changes of any kind to its products and/or Technical Data Sheets without notice. This revision cancels and replaces all previous ones.

Winkler Srl
Via M. Buonarroti, 15 - 20093 Cologno Monzese (Mi) - Italy
Tel. +39 02 26 700 605
info@winklerchimica.com - www.winklerchimica.com