



DESCRIPTION

Wait is a cement-based waterproof mortar, polymer reinforced, two-component, crystallizing, fully flexible, applied to surfaces by brush. It can be used in positive and negative waterproofing applications on all buildings, interior and exterior facades. When used on exterior facades, covering it with a finishing layer is highly necessary. It is suitable for use on concrete surfaces, concrete and cement mortars, plastered surfaces, brick and block surfaces, waterproofing of curtain and retaining walls, non-moving areas in concrete structures, waterproofing of wet areas such as bathrooms, toilets, balconies, water tanks, decorative pools, and waterproofing of engineering structures such as metro systems, tunnels, highways and dams. It is suitable for horizontal and vertical applications. It is suitable for use in drinking water tanks and has a certificate of compliance with BS 6920 standard. It is non-corrosive and non-toxic. It does not contain chloride. It does not crack or shrink. This manufactured product penetrates the surface well thanks to its waterproof additives and high polymer content, providing positive water resistance and excellent insulation

PRODUCT FEATURES	AREAS OF USE
Excellent adhesion Excellent flexibility Excellent waterproof insulation Excellent shrinkage resistance Excellent crack bridging Crystalline effect Positive and negative directional waterproofing Not affected by ambient humidity Easy and fast application by brush Suitable for contact with drinking water No chloride ions	It is suitable for use on the following properly prepared surfaces: On mineral surfaces Indoor and outdoor areas Water tanks \Swimming pools Reinforced concrete pipes\Wet areas\Foundations Positive directional waterproofing of basement walls and retaining walls Ready to use! Please follow the application instructions. Consult us for all other application surfaces

IMPORTANT NOTICE

Related Standard	EN 14891:2017
Product Class	CM

Document Number	007446-TSE-04/05
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PACKAGING DETAILS

- Component A Kraft bag 25 kg
- Component B Plastic drum 8 kg/L
- Total Set 33 kg

CLEANING INSTRUCTIONS

- Small spills must be cleaned immediately with water without allowing the mortar to harden. All application tools (smoothing gauge, steel trowel, leveling foot, hand mixer) must be cleaned with water.
- More serious spills must be contained and removed with inert absorbent material. Contaminated and unusable content must be disposed of according to local and regional regulations

TECHNICAL INFORMATION

Property	Value
Pot Life	≥ 120 minutes
Mixing Ratio	8 kg Liquid / 20 kg Powder
Reaction to Fire Class	Cs1d0
Time Before Service	Minimum 7 days
Application Thickness	0.75–1.5 mm
Mixture Color	Gray
Mixture Density	1.80 ± 0.50 kg/L
Mortar Yield (Approx.)	33kg\17.5L
Positive Water Pressure Resistance	7 bar
Adhesion Strength	≥ 1.00 N/mm ²
Crack Bridging	≥ 2.00 mm

Water Transmission Rate	$\leq 0.10 \text{ kg/m}^2 \cdot \text{h} \cdot 0.5$
Water Vapor Transmission Rate	$< 0.5 \text{ g/h} \cdot \text{cm}^2$

- Results after 28 days at $+23 \pm 2 \text{ }^\circ\text{C}$ and $50 \pm 5\%$ relative humidity.

SURFACE PREPARATION

All surfaces on which the product will be applied must be clean, dry, sound and free from dirt, oils, grease, mold and any other contaminants that may negatively affect adhesion. The surface must be checked for strength and absorption capacity, moving parts must be fixed and gaps filled. If repairs are needed, they must be completed and 3–4 days must be waited before starting waterproofing. It must be ensured that the slope of concrete or cement screed is directed towards the water drain. The slope must be checked using a measuring tape and level. If there is no slope or if the slope is reversed, the application must not be started until the slope is corrected. If the surface is dry, it must be moistened until saturation. Clean water at room temperature must be used for mixing

PRODUCT APPLICATION

Before and during the application of Kar Wisoflex 2K Crystal, work clothes must be worn according to occupational health rules, and appropriate goggles and masks must be used. Component Kar Wisoflex 2K Crystal A (25 kg) is gradually added into Kar Wisoflex 2K Crystal B (8 kg). It is mixed with a trowel or low-speed mixer until a homogeneous mixture without lumps is obtained. After the uniformly mixed mortar rests for 5 minutes, it is mixed again and becomes ready for application. The prepared mixture is applied in two or three coats using a brush on the properly sloped and moisture-saturated concrete surface. Application can be done using a hard bristle brush or mechanical spraying method. If the first coat is applied from left to right, the gaps formed should be filled by applying the second coat from top to bottom. The average waiting time between coats is 4 hours, however this period may be longer or shorter depending on environmental conditions and the moisture of the application surface. The appropriate waiting time between coats can be determined by touch. If Kar Wisoflex 2K Crystal does not leave a mark on the hand when touched on the first layer, the second coat application can be started. The prepared mixture must be used within a maximum of two hours. During this time the mixture should be stirred occasionally, and mortar that has started to harden and expired must not be used.

APPLICATION NOTES

Foreign materials such as lime, cement or gypsum must not be added to Kar Wisoflex 2K Crystal. During application or drying, the ambience and surface temperature must be at least $+5^\circ\text{C}$ and at most $+35^\circ\text{C}$. Kar Wisoflex 2K Crystal must not be applied on frozen or thawing surfaces or surfaces exposed to frost within 24 hours. It must not be applied under direct sunlight, strong wind or on hot surfaces. To prevent airflow in the application environment, the area and roof must be covered, and doors and windows must be kept closed, leaving only openings that provide healthy air circulation. If mesh is applied on wood, flexible waterproof mesh must be used between layers. The application surface must be moist but not wet. If there is continuous water flow to the surface, leaks and flows can be cut using Kar WisoPlug rapid setting plug.

The product must be used within the specified pot life. Mortar that has exceeded its pot life must not be reused by adding water or foreign materials. Kar Wisoflex 2K Crystal must not be used on wood, chipboard, MDF, PVC or metal surfaces. Attention must be paid to the water ratio in all mixtures, and large surfaces must be divided with protection joints. After application, surfaces must be protected from direct sunlight, strong wind and high air temperature (above +35°C). It is recommended to wait at least 7 days after application before painting. Do not inhale dust as it is cement-based. It cannot be applied on continuously wet surfaces

PRODUCT LIMITATIONS

The product does not have acid resistance. The product must not be used in areas exposed to extreme heat. Free-fall concrete mixers are not suitable for mixing this product. Since this product is not a decorative coating, discoloration may occur after rain or humid weather conditions. This discoloration does not negatively affect the performance of the product. In waterproofing and damp-proofing applications, it must be applied in at least two coats with a total thickness between 1.5 and 2.0 mm. In cases of excessive water leakage, a third coat may be applied. Wisoflex 2K Crystal is not a walkable surface. Low temperatures slow down setting and high temperatures accelerate setting. Working time varies depending on temperature.

WAITING TIME BETWEEN COATS

Temperature	Waiting Time
10°C	≈ 12 hours
20°C	≈ 6 hours
30°C	≈ 3 hours

CONSUMPTION – SHELF LIFE – STORAGE

- Consumption: Consumption varies depending on surface roughness, surface profile and application thickness. On average 1.9 – 2.1 kg/m² of powder material is required for 1 mm application thickness.
- A 33 kg set produces approximately 17.5 liters of mortar.
- Shelf Life: Must be stored in its original packaging in a dry environment between +5°C and +35°C. It has a minimum shelf life of twelve months in unopened packaging stored in a cool and dry place.
- When not in use, the package opening must be tightly closed. It is recommended to use the product within one week after opening the bag.

SAFETY & PRECAUTIONS

Avoid prolonged contact with skin and inhalation of dust, vapors and/or spray mist. Causes eye irritation. Use with adequate ventilation. Ensure fresh air entry during application and drying. If tearing, headache or dizziness occurs, or if air monitoring shows vapor levels exceeding limits, use an appropriate CE-approved respirator during and after application. Do not contact eyes, skin or clothing. Wear chemical safety goggles

or face shield. Wash thoroughly after handling and before eating or smoking. Close the container after each use.

FIRST AID

- In case of skin contact, wash thoroughly with warm water and soap.
- In case of eye contact, rinse with plenty of water for 15 minutes and seek immediate medical attention.
- If breathing becomes difficult, leave the area and breathe fresh air. If symptoms persist, seek medical attention.
- If swallowed, do not induce vomiting and seek immediate medical attention

WARRANTY & DISCLAIMER

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