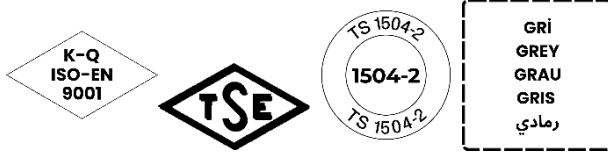


TECHNICAL DATA SHEET

DESCRIPTION

It is a cement based, crystallised waterproofing material effective against positive and negative water pressure.



AREAS OF USE

- Water tanks
- Basement floors
- Tunnels and subways
- Lift pits
- Sewerage and waste water treatment plants
- Wet areas such as bathroom, toilet
- Dams, indoor-outdoor vertical and horizontal applications

ADVANTAGES

- Easy to prepare and apply.
- It is applied with a brush.
- It has a long working time.
- Fills capillary spaces by forming crystals and provides water impermeability.
- Protects the treated surface from the corrosive effects of water.

APPLICATION PROCEDURE

Mixing:

25 kg powder should be added slowly to 7-7,5 litres of water and mixed with a 400-600 rpm mixer for 3-5 minutes on average until a homogenous and lump-free mixture is obtained. Prepare enough mortar to be used in maximum 20 minutes.

Surface:

The concrete surfaces to be applied must be sound, clean and dry, dust, dirt, oil and soil residues that may adversely affect the adhesion must be removed from the surface. Weak parts should be repaired, corners and edges should be chamfered. The application surface should be moisturised enough to be saturated with water.

Application:

The prepared mortar is applied to the surface in 2 coats with the help of a brush previously saturated with water. The second coat should be applied when the first coat reaches sufficient hardness without losing its water. This period is 3-5 hours depending on the ambient conditions. The second coat application should be done in the direction perpendicular to the first coat.

VARLIK MINERAL GEOTHERMAL ENERGY MINING CONSTRUCTION TRADING CO.

CENTRE: Beştepe Mah.No:1/113 Yenimahalle/Ankara

ANTALYA FACTORY: Çıplaklı Mah. 22171 Cd. No:14 Döşemaltı/Antalya

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TECHNO KRAFT CRYSTALLISED WATER INSULATION MORTAR

TECHNICAL DATA SHEET

It is important to cure the material after application. Curing liquids should not be used. Keep the treated areas wet for 5-7 days.

EXPENDITURE

1.25 - 1.50 kg/m² for 1 mm thickness

TECHNICAL SPECIFICATIONS

View	Powder, grey
Structure of the material	Contains mineral fillers, cement, polymer modified additives.
Mix ratio	7-7,5 lt water/25 kg powder
Application temperature	+5 °C +35 °C
Water impermeability	~7 bar (negative and positive direction)
Adhesion strength (EN 1542)	>1 N/mm ²
Adhesion Without Deicing Salt Effect Strength (EN 13687-3, EN 1542)	>1 N/mm ²
Bond strength after heat ageing (EN 1062-11, EN 1542)	>1 N/mm ²
Water vapour permeability	Class I; Sd<5 (Sd: Equivalent air pressure thickness)
Capillary water absorption value	<0.1 kg/m ⁽²⁾ ·h ^{0.5}
Fire class	A1
Duration of use	~20 min 
Maturation time	3-5 minutes
Commissioning time	5 days
Shelf Life	12 months from the date of manufacture under appropriate storage conditions When not in use, the packaging should be tightly closed and the material should be consumed within 1 week at the latest.

The above values are valid for +21 °C and 50% relative humidity.

PACKAGING and STORAGE

CODE	PACKAGING
KR-5300	TECHNO KRAFT® CRYSTALLISED WATER ISOLATION MORTAR (25 kg)

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