

8007

EPOKSI SELF

Epoxy Self Leveling

Epoxy resin based, two component, solvent free, self leveling (self leveling) smooth surface finish, high chemical and mechanical resistance floor covering material.



PLACES OF USAGE

- It is used in multi-storey and underground car parks, storage areas, maintenance hangars, such as places exposed to moderate to heavy mechanical effects; where resistance to chemicals is required such as chemical production facilities, laboratories; in places where aesthetics, easy maintenance and cleaning are important such as shopping malls, exhibition areas, fairgrounds and in places not exposed to sunlight. Used indoors, on horizontal surfaces.

FEATURES / ADVANTAGES

- It can mix filler in 1:1 rate depending on the desired application thickness.
- Thanks to its low viscosity, the comb marks that are formed during the application disappear quickly and a smooth appearance is obtained.
- High mechanical resistance.
- High chemical resistance.
- It is liquid impermeable.
- It is aesthetic thanks to its wide color choice and bright finish.
- Long life and easy to clean.
- Solvent-free, eco friendly.

APPLICATION DIRECTIONS

a) Surface Preparation:

The surface must be dry, clean, free of strong skate; oil, dirt or adhesion preventive materials must be removed from the surface; materials such as mortar, cement residues should be scraped. Before applying the primer on the surface, an open porous structure should be formed on the cement top layer by using surface abrasive equipment (Shotblast, Rototiger etc). Dusting should be cleaned with industrial vacuum cleaner. The abraded concrete surface should have a minimum compressive strength of 25 N/mm² and a tensile strength of 1.5 N/mm². Ensure that surface moisture, relative humidity and dew point requirements are met before application. Otherwise, the desired performance criteria cannot be reached from the product as a result of carbonation reaction on the surface. Moisture content of the surface should be maximum 4%. Relative humidity should be maximum 80%.

b) Product Preparation:

21 kg is packaged in appropriate quantities. Each component is first mixed in itself. Component B (Hardener) is added to component A (Epoxy resin). It is mixed with a drill with 300 - 400 rpm mixer tip for 3-4 minutes until a homogenous consistency is obtained. The entire mixture is then taken to a clean container and mixed again. If part of the product is to be used, these mixing ratios should be considered.

The dew point should be above + 3 ° C before and after the application in order to prevent the formation of condensation. New concrete structures should be allowed to dry for a minimum of 28 days. Repair of surface defects with a depth of more than 1 cm should be done with Termatect Epoxy Repair Mortar or Termatect Grout Mortar 6-8 hours in advance. After surface cleaning, it should be primed with Termatect Primer in single or double layers depending on the condition of the surface in order to increase the adhesion strength and balance the surface absorbency. Depending on the porosity and structure of the surface, the surface can be leveled with the addition of a filler. Depending on the porosity and structure of the surface, the surface can be leveled with the addition of filler. On surfaces that are moist up to 10%, it should be applied with Termatect Primer, otherwise the application should not be done. At least 20 minutes after the primer application, sand blasting is performed with appropriate filler until the product reaches saturation, the adhesion strength of the floor covering to be applied after itself must be increased, please refer to consumption table for recommended fill amount. In order to apply 8007 Epoxy Self application, the sanding primer must have gained the hardness. Please refer to the technical data sheet of the primer used, as the opening time may vary with temperature. After primer sandblasting, non-adherent fillings should be removed by sweeping or industrial broom.

c) Application Method:

8007 Epoksi Self prepared mixture should be poured onto the surface and spread with the help of a notched trowel. The spiked roller should be passed over perpendicular to each other and the remaining air bubbles should be removed and the coating thickness should be balanced. In order to obtain a non-slip, blunted surface, the first sandblasting after 15 to 20 minutes following the above application, and after a maximum of 30 minutes after spreading with quartz filler, a non-slip, blunted surface should be obtained. Please refer to Consumption table for the recommended fill amount.

ISSUES TO BE CONSIDERED

- Avoid application at temperatures below +10°C and above +30°C.
- Can be applied outdoors, but no color stability.
- When mixing **8007 Epoksi Self**, a suitable drill must be used. Never mix with hand or trowel.
- Do not add water, solvent, etc. to the mixture externally. Do not dilute with thinner, etc.
- Materials should be brought to the application area at least 24 hours before the application to comply with the environmental conditions.

• The working and curing times of epoxy resin based products depend on the ambient and floor temperature. Consumption amount increases as viscosity increases at low temperatures. The chemical reaction slows down, thus the pot life and working time prolongs. At high temperatures, the opposite is the case.

• If heating is required in the application area, only electrical, warm air blower systems should be used not to affect the appearance of the surface.

• Avoid application in areas that are frozen, at risk of freezing within 24 hours or exposed to direct sun and wind.

• Do not step on at least 24 hours after application. Avoid water contact and condensation for 48 hours, otherwise carbonation occurs. In this case, the surfaces are cleaned with sandpaper and a thin coat is applied again.

SECURITY WARNINGS

- S2 Keep out of the reach of children.
- S24/25 Avoid contact with eyes and skin.
- S26 In contact with eye, wash with water and consult a doctor.
- S28 In contact with skin, wash immediately with plenty of water.
- S29 Do not empty into drains.
- S46 If swallowed, consult a doctor immediately and show box or label.

LEGAL NOTICES

a) Refuse Disposal:

Empty packaging may be disposed of in collection bins according to regional-local regulations or recycling rules. Dispose of used waste material as construction waste after drying and hardening. It is dangerous to destroy product residues by burning.

b) Legal Responsibility:

The data contained in this technical document is based on our scientific and practical knowledge. Terma Yapı Kimyasalları San. Tic. Ltd. Şti. is only responsible for the quality of the product. Terma Yapı Kimyasalları San. Tic. Ltd. Şti. is not responsible for the results that may arise from the use other than the written recommendations regarding where and how the product shall be used and/or the results due to misuse. This technical document is valid until a new one is issued and invalidates the old editions.

STORAGE

Store in unopened original packaging in a dry (Maximum relative humidity of 60%) and cool (Temperature between +5°C and +25°C). It should not be left in direct sunlight. Protect from frost. The mouth of the containers should be tightly closed when not in use. Shelf life is 12 months from the production date when stored in unopened original packaging in a dry (Maximum 60% relative humidity) and cool (+5°C to +30°C) environment.

PACKAGE

In 21 kg (A+B) set plastic buckets.

CONSUMPTION

Coating	Product	Consumption
Primer	Linerless Primer	0,35 – 0,55 kg/m ²
	Rammed Lining	0,30 – 0,50 kg/m ²
Leveling (Depending on surface)	Rammed Lining	Rammed Lining Technical Data Sheet
Self-Flattening Coating (1,5 – 3,0 mm)	1 x 8007 Epoksi Self	0,95 kg/m ²
	1 x (0,1 – 0,3 mm) Quartz Filler	0,95 kg/m ²
Anti-Slip Coating (3,0 – 4,0 mm)	1 x 8007 Epoksi Self	2,00 kg/m ²
	1 x (0,1 – 0,3 mm) Quartz Filler	2,20 kg/m ²
	Blanking Sand (0,4 – 0,7 mm)	6,00 kg/m ²
	8007 Epoksi Self	0,70 kg/m ²

Please call our technical support line for consumption information of application with 8007 Epoxy Self.

RESISTANCE

Chemical Resistance Table

Chemical	1 st Day	3 rd Days	7 th Days
Diesel	1/4	1/4	1/4
Toluene	1	1	1
White Spirit	1	1	1
Brake Fluid	1/4	1/4	1/4
Acetone	1	1	1
Cellulosic Thinner (MEK)	1/4	3	3
Acetic acid	1	1	1
Lactic acid (%10)	1	1	1
Phosphoric acid	1/4	1/4	1/4
Sulfuric acid	1/4	1/4	1/4
Sodium hydroxide	1/4	1/4	1/4
Isophorone diamine	1/4	1/4	1/4
Ethanol	1	1	1
Hydrogen peroxide	1/4	1/4	1/4

1: Durable
2: Limited durability
3: Undurable
4: Reduction of brightness or discoloration

The information given in the table is for advice without any assurance or guarantee. May vary according to surface and ambient conditions.

TECHNICAL SPECIFICATIONS

(23 °C and 50% Relative Humidity)

GENERAL INFORMATION

APPEARANCE	Standard RAL colors
Shelf Life	12 months in unopened package in dry environment
Chemical structure	Epoxy resin based
Amount of Non-Volatile Solids	By volume and weight % 100
Density (Component A)	~ 1,60 kg/l
Density (Component B)	~ 1,00 kg/l
Density (Mixture)	~ 1,4 kg/l
Container Life	10 °C (50 min.) 20 °C (30 min.) 30 °C (15 min.)
Opening Time to Pedestrian Traffic	10 °C (72 hours) 20 °C (24 hours) 30 °C (18 hours)
Expected Time for Light Traffic	10 °C (6 day) 20 °C (4 day) 30 °C (2 day)
Full Curing Time	10 °C (10 day) 20 °C (7 day) 30 °C (5 day)
Adhesion Force	≥ 2,0 (1,5) N/mm ² (EN 1504 - 2 / EN 1542)
Abrasion Resistance	< 3000 mg (EN 1504 - 2 / EN ISO 5470-1)
Impact Resistance	≥ IR4, Class II (EN 13813 / EN ISO 6272)
Carbon Dioxide Permeability	sd ≥ 50 m (EN 1504 - 2 / EN 1062 - 6)
Water Vapor Permeability	Class III (EN 1504 - 2 / EN ISO 7783 - 1)
Capillary Water Absorption and Water Permeability	w < 0,1 kg/m ² .h ^{0,5} (EN 1504 - 2 / EN 1062 - 3)
Flexural Strength	≥ 50 N/mm ² (EN 196-1)
Compressive Strength	≥ 75 N/mm ² (EN 196-1)
Shore D Hardness	76-78 (EN 1504 - 2 / DIN 53 505)
Chemical Resistance	Class II (EN 1504 - 2 / EN 13529)

CONTACT

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