

KÖSTER

Waterproofing Systems

T 704 / 0501.ENG

KÖSTER Dachflex

Ready to use, environmentally friendly synthetic coating for the repair of leaking flat roofs and as preventive protection for the waterproofing of roofs sealed with bituminous sealing membranes, cementitious fibreboards and concrete.

- **TM** “ Dachflex “ protected by Law, German Patent Office, No. 395 06 702
- **Official Test Report**, College of East Friesland – permeability to water vapour

Product Description:

Elastic, pasty, solvent free synthetic coating for dry and slightly damp surfaces.

The coating dries very fast, has a foil like structure, is highly flexible, is watertight and permeable to vapour.

It is resistant against ageing, UV rays, frost, exposure to de-icing salt and many other aggressive components. Hardly flammable.

Due to its fair colour it reflects up to 75 % of insulation.

KÖSTER Dachflex is free of plastizicers and is self polymerising. A special polymerisation system reacting to daylight creates a non-adhesive surface. This results in an effective protection against soiling.

Applicable very easily with uncomplicated means on flat or heavily inclined areas as well as on links to vertical building units. The roof inclination must have an inclination of at least 5 %. The roof inclination must have an inclination for drainage. One should avoid puddles and extra ballast.

Applications:

Used for the preventive protection and for the repair of roofs made of concrete, bituminous products, cementitious fibreboards and screed, also suitable for flat roofs. The roofs should have a construction according to the rules of roofs.



Technical Data:

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|---|---------------------------------|
| Application temperature | +5°C to +30°C |
| Color | white |
| Water absorption rate (48 hours under water) app. % | 6,0 |
| Water vapor permeability | 7,8 q / m ² day |
| Air layer of equal thickness S _d | 2,50 m |
| CO ₂ permeability | 0,4 q / m ² day |
| Air layer of equal thickness R _b | 570 m |
| Tensile strength (+23 °C) | 1,70 – 1,80 N / mm ² |
| Elasticity (+23 °C) | % 400 |

Instructions:

Substrate:

Surfaces must be clean, sound and dry (or slightly damp). Dust, oil, grease, old coatings, laitance, efflorescence, rust, curing compounds,

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waxes, form oil and similar contaminations should be cleaned or removed prior to application.

Application of KÖSTER Dachflex:

The required primer consists of KÖSTER Dachflex diluted with water at a ratio 1:1. Apply a rich primer layer with a firm brush and wait until fully dry.

Apply Dachflex (undiluted) to the roof with a roll, brush or jet in two operations after app. 2-3 hours. Wait until fully dry between applications.

Insert KÖSTER Superfleece reinforcement fleece between first and second layer on crack endangered areas or floor-to-wall junctions.

The fresh coating is water-soluble and needs protection from snow-rain or mechanical damages until it is completely dry. The coating is rainproof at an outdoor temperature of +20°C after apr. 24 hours.

Consumption:

Total in 2 layers 1,50 – 2,50 kg/m²

Packaging:

5kg and 20 kg plastic pail



Notes:

Do not apply below +5°C or if temperatures below +5°C are expected within 24 hours. Do not apply on wet or frozen surfaces. Protect against water ponding.

Storage:

Store in dry conditions and at room temperatures, in original containers. Protect from direct sunlight and freezing.



Shelf Life:

12 months.


Health and Safety:

Wear suitable protective clothing, gloves and eye / face protection. Adequate ventilation of the working area is recommended. After contact with skin, wash immediately with plenty of water and soap. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. When using do not eat, drink, smoke and keep away from sources of ignition. For additional references to safety-hazard warnings, regulations regarding the transport and waste management please refer to the relevant Material Safety Data Sheet.

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|  2184 | |
| KÖSTER YAPI KİMYASALLARI İNŞAAT SAN. Ve TİC. A.Ş. Kocaeli Gebze V GEBKİM Kimya İhtisas OSB, Atatürk Bulvarı No: 6 Dilovası 41455 KOCAELİ 16 | |
| 2184– CPR – 0197 DOP NO: 009 EN 1504-2:2004 KÖSTER – Dachflex Elastomerik reçine esaslı,UV dayanımlı, likit su yalıtımı ürünü Kaplama uygulaması (C)1.3/2.2 | |
| Karbondiyoksit geçirgenliği (EN 1062-6) | CO ₂ SD > 50 m |
| Su buharı geçirgenliği (EN ISO 7783-1, EN ISO 7783-2) | Sınıf II |
| Kapiler su emme ve su geçirgenliği (EN 1062-3) | w < 0,1 kg/m ² .h ^{0,5} |
| Çekip koparma deneyi yoluyla yapışma dayanımı (EN 1542) | Trafik yükü olmadan Çatlak kapatma veya esnek sistemler ≥ 0,8 N/mm ² (0,5) ^b |
| Reaction To Fire (EN 13501-1) <i>Yangına Karşı Tepki</i> | D |
| Dangerous Substances <i>Tehlikeli Maddeler</i> | In accordance with article 5.3 Madde 5.3'e uygun |

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