

## 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:**

Turkish product name > KÖSTER Dachflex

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:**

Application temperature	+5°C to +30°C
Color	white
Water absorption rate (48 hours under water) app. %	6,0
Water vapor permeability	7,8 g / m <sup>2</sup> day
Air layer of equal thickness S <sub>d</sub>	2,50 m
CO <sub>2</sub> permeability	0,4 g / m <sup>2</sup> day
Air layer of equal thickness R <sub>b</sub>	570 m
Tensile strength (+23 °C)	1,70 – 1,80 N / mm <sup>2</sup>
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, 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 layer by brush. Apply Dachflex to the roof with a roll, brush or jet in two operations after app. 2-3 hours. Apply the second coat after app. 3 hours (bonding free). Insert KÖSTER Glass Fibre Mesh in the middle on crack endangered areas. The fresh coating is water-soluble and needs protection from rain until it is completely dry. The coating is rainproof at an outdoor temperature of +20 °C after apr. 24 hours.

### **Consumption:**

Dachflex (2 - 3 layers) 1,50 – 2,50 kg / m<sup>2</sup>

### **Packaging:**

KÖSTER Dachflex 20 kg plastic pail

KÖSTER Dachflex 5 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

### **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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<b>KÖSTER YAPI KİMYASALLARI</b> İNŞ. SAN. ve TIC. A.Ş. GEBKİM Kimya İhtisas OSB Atatürk Bulvarı No: 6 41455 DİĞLÖVASI / KOCAELİ 16	
1020 - CPR - 040 051989 <b>DOP NO: 009</b> EN 1504-2 <b>KÖSTER Dachflex</b> Elastomeric Resin Based UV Resistant Liquid Membrane Coating application (C) 1.3/2.2	
Permeability to CO <sub>2</sub>	CO <sub>2</sub> > 50 m
Permeability to Water Vapour	Class II
Capillary absorption and permeability to water	W < 0,1 kg/m <sup>2</sup> .h 0,5
Pull-off	CO <sub>2</sub> class II or better system EN 12013, EN 12014 EN 12015
Response to Fire	D-s1,d0
Dangerous Materials	Materials 5.2 appropriate



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Revision Date: 30-11-2022