

KÖSTER CFR 1

Technical guideline / Article number **1.12**
Issued: 01st of January 2007

Hot applied, highly elastic bitumen / rubber compound

Features

KÖSTER CFR 1 is a rubber-elastic hot-adhesive-compound on a bitumen / rubber basis with excellent adhesion to all dry, mineral and bituminous substrates. Waterproofing carried out with KÖSTER CFR 1 can bridge cracks and joints flawlessly. The resistance of the substrate against mechanical damages is increased considerably.

KÖSTER CFR 1 is resistant to pressurized water up to 50 bar.

Technical data

Basis	bitumen / rubber
Colour	black
Density	approx. 1.00 – 1.02 g / cm ³
Consistency at 20 °C	solid
Application temperature	approx. 150 – 180 °C
Viscosity	approx. 1.300 mPa·s at 160 °C approx. 700 mPa·s at 180 °C
Ductility at 25°C	approx. 2000 %
Elastic retraction at 20°C	95 %
Elastic retraction at 0°C	60 %

Field of application

KÖSTER CFR 1 can be used for elastic, crack-bridging waterproofing against pressurised water on all mineral substrates as well as on wood or on metal. It is also suitable as a joint sealing compound for expansion joints.

It can be used for wall / floor waterproofing when applied within the KÖSTER high security waterproofing system with KÖSTER Deuxan[®] 2C Extratight.

Substrate

The substrate has to be dry, clean, free of contaminations and loose particles.

Application

Heat KÖSTER CFR 1 in a bitumen boiler equipped with a stirring device to 150 °C. The boiler should be equipped with a thermostat. Heating the material above 180 °C must be absolutely avoided since this would damage the rubber part of the compound. KÖSTER CFR 1 is usually applied on an area by pouring the material out onto the surface using a watering can, pot or bucket and by spreading it out over the entire surface to be waterproofed using a brush or a broom or by pouring it into joints.

Consumption

Approx. 1 kg / m² per mm layer thickness

Cleaning of tools

After cooling down of the material, soak in KÖSTER Bitumen Remover.

Packaging

23 kg block in a cardboard box

Safety

Observe safety precautions for application of hot bitumen products. Apply only in well ventilated areas.

Technical guidelines cited:

KÖSTER Deuxan [®] 2C Extratight	Art.-No.	1.16
KÖSTER Bitumen Cleaner	Art.-No.	9.03

The information contained in this technical data sheet is based on the results of our research and on our practical experience in the field. All given test data are average values which have been obtained under defined conditions. The proper and thereby effective and successful application of our products is not subject to our control. The installer is responsible for the correct application under consideration of the specific conditions of the construction site and for the final results of the construction process. This may require adjustments to the recommendations given here for standard cases. Specifications made by our employees or representatives which exceed the specifications contained in this technical guideline require written confirmation. The valid standards for testing and installation, technical guidelines, and acknowledged rules of technology have to be adhered to at all times. The warranty can and is therefore only applied to the quality of our products within the scope of our terms and conditions, not however, for their effective and successful application. This guideline has been technically revised; all previous versions are invalid.