

DUALFLEX

Bitumen-Rubber Based, Special Cement Additive, Two Component, Flexible Waterproofing Material

MATERIAL DESCRIPTION

DUALFLEX is a flexible and high strength waterproofing material consisting of bitumen rubber, special cement and fillers.

AREAS OF USE

- From the direction of water in indoor and outdoor areas,
- Foundations, retaining walls, underground storages, parking lots,
- Bridge, viaduct piers,
- Concrete protection against aggressive water from the ground.

TECHNICAL SPECIFICATIONS

Content	Liquid component: Bitumen emulsion with elastomeric polymer additives
Powder component	Dark green in liquid form, black when dry
Color	
Mixture Density Carbon	1.20 g/cm ³
Mixture Solids Content	%63
Dioxide Permeability	300 m
Water Vapor Permeability	14.30 m
Crack Bridging Adhesion	up to 2 mm - +4°C
Capillary Water Absorption	0.014 kg/m ² .h0.5
Strength	0.7 N/mm ²
Applicable Floor Temperature	+5°C - +35°C
Service	-20°C to +80°C
Drying Time	1 hour
Temperature Touch	5-6 hours
Full Drying	8 days
Dry	

ADVANTAGES

- Easy to accelerate and apply.
- It is applied with a brush, trowel or spraying machine.
- Provides complete coverage without joints and seams.
- Provides bridging in surface cracks by covering the crack.
- Can be applied on dry and slightly damp surfaces.
- It is not affected by weather conditions with fast curing, long lasting.
- Resistant to chemicals and salt solutions in the soil.
- Resistant to freeze-thaw cycles.
- Solvent-free and environmentally friendly.
- Provides permanent elasticity.
- Water-based and environmentally friendly.
- Suitable for confined spaces as it does not contain flammable and toxic substances.



Mechanical Strength

Note: The above values are given for +23°C and 50% relative humidity. High temperatures shorten the time, low temperatures lengthen the time.

SURFACE PREPARATION

The surface to be applied must be sound, free from all kinds of oil, grease, rust, paraffin, paint, bitumen residues that may prevent adhesion to the surface and all loose parts must be cleaned. As a primer, 1 coat of **DUALFLEX** should be thinned with water at a ratio of 1 to 1 and applied with a brush on concrete surfaces.

MIXING

Add the powder component into bucket A and mix with a high speed drill until homogenized. Make sure that all lumps disappear. The material can be applied to the surface by spraying with a trowel.

MIXTURE AMOUNT

DUALFLEX Component	A22 kg bitumen
DUALFLEX Component	B8 kg dust bag

PACKAGING

Component A 22 kg bitumen + Component B 8 kg powder bag 30 kg Set

EXPENDITURE

- Against damp floors^{4 kg/m²}
- Against intense and pressurized water^{5 kg/m²}
- Curtain and retaining walls^{3 kg/m²}

STORAGE

It should be stored in its unopened original packaging, in a cool and dry place, protected from frost.

SHELF LIFE

Under proper storage conditions, 1 year from the date of manufacture.

SECURITY MEASURES

Application areas must be ventilated. During application, work clothes, protective gloves, goggles and masks should be worn in accordance with Occupational Health and Safety rules. Due to the irritating effects of uncured materials, the components should not come into contact with the skin and eyes, in case of contact, they should be washed immediately with plenty of water and soap, and in case of ingestion, a doctor should be consulted immediately. Food and beverage materials should not be brought into the application areas. It should be stored out of the reach of children. For detailed information, Material Safety Data Sheet should be consulted.

RESPONSIBILITY

The data contained in this technical document are based on our scientific and practical knowledge. **BETTON Construction Chemicals San. ve Tic. Ltd. Şti.** is only responsible for the quality of the product. **BETTON Construction Chemicals San. ve Tic. Ltd. cannot be held responsible** for any consequences that may occur due to misuse and/or misuse other than the written recommendations on where and how to use the product. **Ltd. Şti.** cannot be held responsible.



BETTON
YAPI KİMYASALLARI SAN. VE TİC. LTD. ŞTİ.