

# 4x4<sup>®</sup> BITUMENFLEX 2K

TWO COMPONENT WATERPROOFING MATERIAL THAT IS BASED ON POLYMER AND CEMENT MODIFIED BITUMEN



4x4 Bitumenflex 2K is a non solvent, two-component waterproofing material that is applicable for multi-purpose use and that is based on polymer and cement modified bitumen rubber in the form which is suitable for brush and trowel. It is conforming to TS EN 15814 and DIN 18195 standards.

**Cukurova**  
yalıtım

Çatı Kaplama ve Plastik Ürünler San. ve Tic. A.Ş.

Şekerpınar Mahallesi Süleyman Demirel Cad. No:4 Çayırova – Kocaeli / TURKEY  
Phone: +90 262 658 08 80 – Fax: +90 262 658 97 56  
[www.cukurovayalitim.com](http://www.cukurovayalitim.com)

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TWO COMPONENT WATERPROOFING MATERIAL THAT IS BASED ON POLYMER AND CEMENT MODIFIED BITUMEN

**32 kg** <sup>±2</sup>  
(A:24 kg, B:8 kg)

## Qualities:

- It is in accordance with vertical and horizontal applications.
- Does not create jointing, thanks to its high elasticity it provides bridging against shrinkage cracks.
- It provides solutions even in the most difficult details thanks to its ease of application.
- It can be implemented via brush or trowel.
- It is resistant to freezing-dissolution effects.
- It is conformed with green roof applications with its reinforcement support.
- It is resistant to salt solutions, plant roots and weak chemicals.
- Its operating time is long.
- It does not include solvent.
- It is conformed with machine spraying applications.

## Area of Use:

- Base isolation and window curtain isolation.
- Basement floor, retaining walls, underground constructions.
- For underfloor waterproofing in terrace and wet areas.
- Outdoor, against humidity and moisture.

## Surface Preparation:

- The surface shall be clarified from the materials like dust, oil, rust, dirt, paint that will weaken adherence.
- Weak and loose parts on the surface shall be removed, the places which require maintenance shall be repaired.
- Concrete application surfaces shall be cleaned up with water.
- If there are cracks on the surface, required improvements shall be performed at discretion before application and rod clearances shall be filled.
- Porous surfaces shall be undercoated before application.
- All the sharp points shall be rounded in order to provide a proper waterproofing.

## Application Method:

- Powder component (cement) shall be added within liquid component (polymer modified bitumen) and this mixture shall be blended until obtaining a homogenous mixture via low-speed mixer.
- Undercoating shall be performed before application via an emulsion prepared by thinning with water from the material itself in accordance with surface qualities.
- The application shall be performed as at least 2 coats with brush and/or trowel.
- No water shall be added to the materials except undercoating application.

- To provide waterproofing integrity, foundation wall applications shall be maintained, sharp rotations shall be rounded, chamfer applications shall be performed on joints.
- It shall not be applied while it is raining and during the conditions when there is a risk of rain.
- Surfaces on which application is performed during material curing period shall be protected from strong wind and frost.
- It shall be applied to the surfaces of the buildings that will be contacted with water (waterproofing from positive direction).

## Wastage:

1,2-2,0 kg/m<sup>2</sup> (at least 2 layers shall be applied) per layer dependent on the surface conditions and intended purpose.

## Packaging:

in sets that weight 32 kg;  
Bitumen component 24 kg,  
Cement component 8 kg.

## Storage and Shelf Life:

- It shall be stored in dry environment, it shall not be exposed to direct sunlight for a long time.
- Storage life is 12 month starting from the date of production for unopened and undamaged packages.
- Pallets shall not be piled up over and over.

## Security and Health Precautions:

Related staff have to use suitable working clothes and equipments that are in accordance with Occupational Health and Employer Health regulations during all the application processes and procedures. Chemical products shall be transported and stored to the application area safely. In order to avoid from irritating effects of the material authorized personnel shall abstain from direct skin and eye contact. In the event that the material, which does not complete its curing, contact with skin or eye, related area shall be washed with plenty of water and soap and immediately medical aid shall be taken.

## Technical Qualities of The Product:

Product Name	4x4 Bitümenflex 2K
Structure of The Material	Two component waterproofing material polymer and cement modified bitumen rubber that include special additives
Colour	Brown, black
Intensity of The Mixture	1,04 kg/lt
Service Temperature	-20C° and +80C°
Usage Time	60-90 minutes
First Curing	5-6 hours
Full Drying	≥ 24 hours
Surface and Ambient Temperature	+5C° and +35C° and
Consistency	Brush and/or trowel

Technical qualities of the product has been given according to +20C° and %50 relative humidity rate.



See technical journal

Protect from frost

Clean the surface

Blend it

Apply with brush / trowel