

## BITUPREN 200 – Waterproofing adhesive mastic



BITUPREN 200 is the latest product designed for reinforcement and cost reduction of the process of tile paving in such areas as bathrooms, basement floors, balconies, terraces and any other places where the surfaces should be protected from water and moisture penetration. The appliance of bitumen-rubber tile adhesive BITUPREN 200 allows paving tiles and waterproofing the floor at the same time.

BITUPREN 200 is applied by a trowel as a regular tile adhesive due to the thick consistence with inert filler. It is recommended to preliminary treat the surface with BITUPRIMER prime if the product is applied on such porous surfaces like cement covering, wood. Furthermore, BITUPRIMER 200 tile adhesive can be used on roofs for surface and joints preparation before applying a waterproofing coating or rolled roof repair.

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Modified bitumen-polymeric water-based emulsion with special mineral inert filler.

### DESCRIPTION

A hybrid product (can be used as single- or two-component) is ready to use for applying a seamless waterproofing coating in order to protect any building constructions constantly exposed to UV, water, most of acid and alkali solutions, oxidization and aging. It is suitable for using under severe conditions both applying and service due to the high percentage of included polymers and inert matter.

It is applied on any surfaces such as concrete, artificial and natural stone masonry, marble, slate, wood, ferrous and galvanized metals, plastics, polysterene, glass etc.

## USAGE

- Waterproofing coatings on roofs, overarching, ballasted roofs, balconies, skirting, basements, lavatories, bathrooms and working areas
- Waterproofing coatings on bridges and roads
- Repair of old bitumen roof coatings, applying a protective roof coating on any insulation panels and other sheet coatings

## APPEARANCE

Moderate viscosity dark brown liquid with a mild oil aroma

## PHYSICAL PROPERTIES

- Density: 1300g/l
- Solids content: 78±2 %
- Viscosity: 2500 mPs

## APPLIED COATING PROPERTIES

Solidified coating forms a monolithic seamless rubber-like coating which being thoroughly dried gets such characteristics as high strength and elasticity, mechanical deformation resistance, absolute water-, vapor- and gas resistance. The product is not resistant to a long-time contact with oil products, gasoline and machine oil.

## COATING PHYSICAL PROPERTIES

- Coating thickness: 2, 5 mm
- Hardness: 35 A
- Strength: 1, 90 mPa (14 days later)
- Tensile elongation: 250%
- Form recovering: 100%
- Adhesion to concrete: 1, 90 mPa
- Adhesion to steel: 0, 95 mPa
- Temperature resistance (at 120 C): No swelling or leakage
- Water permeability (0,001 mP): No signs of water intrusion
- Moisture absorption: <1, 5%
- Flexibility (R=25): -15 C

## **APPLICATION**

VODIPREN 200 is a hybrid product which can be used as single- or two-component inner catalyzation product. It is applied manually with a paint roller and/or by spraying with a MP 120 UNIVERSAL type equipment. It is necessary to add to the mass 0,5 - 1,0% of CATABIT catalyzer to accelerate solidification – application life: 15-30 min. Used catalyzer does not effect final coating quality. It is possible to apply a coating at temperatures around 0 C due to the high solids content and the correct dose of catalyzer. Do not apply on open surfaces if there is a threat of rain.

## **COATING DRYING TIME** (temperature 25C, relative humidity 55%)

Surface drying time – up to 6 hours

Deep drying – up to 48 hours

Through drying – up to 7 days

## **COVERAGE**

The apply rate of 2,5 – 3,0 kg per m<sup>2</sup> for a film thickness of 2,5 -3,0 mm is recommended.

## **SURFACE PREPARATION**

The product is applied on dry, clean, dirt and oil free base, with no coatings or inclusions which may deteriorate the adhesive ability of the product.

The humidity of less than 10% is allowed if applied on porous bases provided that high hardness and strength.

It is recommended to apply VODIPRIMER emulsion on bases as a primer.

## **SERVICE CONDITIONS**

When the application is thoroughly dried, it acquires black color and UV resistance, it is also can be exposed to light load. This coating shows no signs of aging being exposed to temperature drops, chlorine, ozone and most chemicals resistance for at least 10 years.

We suggest to apply an extra protective coating ACRILET 198 or other coatings which do not contain any chemical solvents or oils in order to increase coating life time.

## **PRODUCT SIZES AND STORAGE**

25 kg buckets.

Storage temperature: +10C to + 30C.

Shelf life: 12 months in a closed container.

Being used the product should be stored in a closed container.

## **DO NOT ALLOW THE PRODUCT TO FREEZE!**

## **PRODUCT PREPARATION BEFORE APPLYING**

The product is ready to use. Do not dilute or use chemical solvents. Before applying the product should be thoroughly stirred.

## **INSTRUMENT CLEANING**

Instruments must be rinsed with water in order to remove liquid product. Solidified product can be removed with mineral spirit (white spirit).

## **SAFETY INFORMATION AND HYGIENE**

The product is water-based, non-toxic, contains no chemical solvents.

In case of skin contact, the product doesn't cause skin burns or irritations.

Use rubber gloves, special clothing and other kinds of personal protective equipment while using the product.

The liquid product can be removed with water and soap, then skin should be treated with softening cream or oil.