

EMULBIT EKO PODKŁADOWY – Eko Primer

Anionic bitumen emulsion of AL type

Product Description

Emulbit EKO Podkładowy is waterborne, solvent-free, bitumen-latex emulsion used for making anti-moisture, waterproof and impregnating coatings. The high dry matter content amounting ca. 55 - 60% guarantees the formation of strong protective coating, resistant to moisture and the aggressive substances contained in soil.

The most important properties:

- ready to be used, mixing would be enough
- to be used on dry and wet bases
- diluted in water, does not contain any solvent
- highly economical priming mass that increase the adhesion
- because of the small size of emulsion particles, it penetrates the pores and capillaries of mineral layers perfectly
- environmental-friendly and safe in contact with expanded polystyrene or wool
- it has thixotropic properties

Recommended use

Emulbit Eko Podkładowy as high-quality waterborne bitumen-latex emulsion is excellent for:

- making the ground and priming layers under Emulbit Eko Nawierzchniowy, Emulbit Eko Styrklej, heat weldable roofing felts, bitumen emulsion, masses and asphalt solutions
- gluing-in of the internal reinforcement (mesh and technical fabric) into Emulbit System
- making effective systemic anti-moisture protections for roofs, flat roofs, concrete underlayment, cellars, baths, terraces, footings and foundations
- concrete protection against corrosion and moisture



Surface preparation

The surface under the anti-moisture and waterproof coatings must be levelled (with no fractures, losses, protruding fragments), cleaned out of any contaminations that may deteriorate bonding (fats, oils, lubricants, laitance). It may be dry or slightly wet (in the latter case, the bonding time will elongate significantly). All edges should be bevelled, concave corners should be rounded up with cement mortar, and the plaster cove should be applied on the contacts of horizontal and vertical surfaces. Any defects in the base, seams honeycombings, gaps should be filled up. The surface with irregular shape, numerous losses or convexities should be covered with cement plaster before priming

Application

Before starting the work, the emulsion must be mixed up carefully. For priming the absorbent, mineral surfaces depending on their absorbability, Emulbit should be diluted with water in proportion from 1:1 (1 part of Emulbit per 1 parts of water) to 1:6. The mass may be put onto the surface manually by means of brush or roller. Spraying up is also possible.

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Conditions

Work should be done under dry conditions at air and base temperature from +5 °C to +30 °C and at foreseen lack of precipitation during bounding. The bounding time depends on the air temperature and relative air humidity (for relative humidity at the level of 65% and air temperature at ca. 20 °C, the proper coating will dry up for maximum 6 hours). The temperature rise and air humidity drop influence on shortening the bounding time. The temperature drop and humidity increase may elongate the bounding time several times. It is not recommended to conduct the work at the air humidity above 80%. During bounding, the insulation must be protected against frost penetration, contact with water and mechanical damage. To avoid damaging the insulated surface e.g. during backfilling or land sliding, it is necessary to wait until the insulation complete drying occurs and to apply proper draining boards or other shields. The insulation damage may occur after covering it up with debris or coarse aggregate

Technical Data

Basis	asphalt, latex, water, upgrading additives
Consumption per 1 layer (without dilution)	0,5 – 1 kg/m ² (depending on the type of the base and application)
Application temperature	From +5 °C to +30 °C
Drying-up time (1mm of wet layer)	Max. 6 hours (air temperature 20°C relative air humidity 65%),
Number of layers	1-3 depending on the application
Method of application	Brush, roofwork brush, spray-up
Density	Ca.1,0 kg/dm ³
Storage	Above 5°C
Shelf life	12 months after the date of production
Packages	Plastic containers 10L and 20 l, drums 200L
Number of stored layers	2 layers (with no spacers)
Conformity with Standard	PN-B-24002:1997

Notes

The present technical information gives the application scope of the product. Work should be done according to the Occupational and Health Safety rules resulting from the material safety data sheets (MSDS) and package labelling. The present information supersedes the previous ones