

PRODUCT DATA SHEET



EMULBIT EKO STYRKLEJ

Anionic bitumen-latex emulsion of AL type

Product description

Emulbit Styrklej is general-purpose waterborne, solvent free, bitumen-latex emulsion used for making the permanently-flexible waterproofing coatings; it is also used for gluing the insulating boards made out of the expanded polystyrene, styrodur or hard mineral wool. The high dry matter content amounting above 60% guarantees the formation of strong protective coating that is resistant to moisture and the aggressive substances contained in soil.

The most important properties

- ready to be used, mixing would be enough (it has paste form)
- to be used on dry and wet bases
- diluted in water, doesn't contain any solvents
- it has excellent adhesion to mineral bases, bricked walls, expanded polystyrene, styrodur mineral wool, plaster-gypsum boards, metal boards, roofing felt
- environmental-friendly and safe in contact with expanded polystyrene or wool
- after bounding, it is resistant to atmospheric factors and aggressive substances contained in soil
- coating is impenetrable and elastic, which enables to eliminate cracks in the base
- it has thixotropic properties

Recommended use

Emulbit EKO Styrklej as high-quality waterborne bitumen-latex emulsion is excellent for:

- gluing the insulating boards made out of the expanded polystyrene, styrodur or hard mineral wool to the absorbent bases, concrete, bricked walls, wood, primed coats, existing hydroinsulations
- making effective systemic anti-moisture and waterproof protections for roofs, flat roofs, concrete
- underlayment, cellars, baths, terraces, footings and foundations, surfaces with irregular shape
- making under-flooring insulation



- conservation and renovation of asphalt roofing
- making seamless and felt-free roofing reinforced with mesh and technical fabric
- as painter's putty for eliminating the cracks

Surface preparation

Prior to the application of damp-proof or waterproof insulation, the surface must be made level (with no cracks, defects, protruding elements) and free from any dirt which may reduce the product's adhesiveness (grease, oils, lubricants, laitance). The surface can be dry or slightly damp (this will significantly extend the binding time). Make all edges smooth, round off all the corners using cement mortar and install plaster coving inside joints between vertical and horizontal surfaces. Fill in any defects, joints, honeycombing or gaps. Prior to priming, fill in any irregular surfaces that have voids or protrusions with cement plaster.

Application

Mix Emulbit Styrklej thoroughly prior to application. The absorbent, mineral surfaces may be primed with Emulbit Eko Podkładowy or Nawierzchniowy diluted with water in proportion from 1:1 (1 part of Emulbit per 1 part of water) to 1:6. The mass may be put onto the surface manually by means of long float, brush or roller. While placing several layers, each layer should be put after drying up the previous one.

Emulbit sp z o.o.

80-711 Gdańsk ; ul.Sztutowaska 18A
tel/fax (+48 58) 3067174
www.emulbit.pl; biuro@emulbit.pl



PRODUCT DATA SHEET



EMULBIT EKO STYRKEJ

Anionic bitumen-latex emulsion of AL type

Gluing of the expanded polystyrene boards

In usual cases, put 6-8 palm-sized cakes onto the assembly side of the boards. While gluing the boards to the roof, the surface and the glue consumption depend on its zone. In the middle zone only 50% of the board is enough, in the edge and corner zone even up to 90%, whereat in the corner zone it is advisable to mount the expanded polystyrene mechanically as well. Above the ground level, the heat-insulating boards are also assembled additionally by means of the plastic dowels. After putting the glue onto the boards and waiting a few to several minutes, the glued surfaces should be pressed together firmly. The bounding time depends on the weather conditions, type of] base, air temperature and humidity as well as the thickness of the placed layer. The full resistance is obtained after 3 to 7 days.

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 coating with thickness of 1mm 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 up occurs and to apply proper draining boards or other shields.

Technical data

Basis	Asphalt mixtures, solvent, upgrading additives
Consumption per 1 layer	coatings 1,0-1.2 kg/m ² per 1 mm thickness of placed mass gluing – 1.0 kg/m ² (point wise) up to 1,4 kg/m ² depending of the type and irregularity of the base
Application temperature	Od +5 °C do +30 °C
Drying-up time (1 mm of wet layer)	Max 6 hours (air temperature 20°C relative air humidity 65% depending on the layer thickness, ambient conditions and the base, the coating formation time may be elongated several times, the full resistance after 3-7 days
Number of layers	1-4 depending on the application
Method of application	Long float, brush, roofwork brush,
Density	Ca.1,1 kg/dm ³
Storage	Above 5°C
Shelf life	12 months after the date of production
Packages	Plastic containers 10L and 20L, drums 200L
Number of stored layers	2 layers (with no spacers))
Conformity with Standard	PN-B-24002: 1997

Notes

The given product data sheet specifies the product application scope. Works must be performed in line with Health&Safety rules resulting from MSDS and labels on packaging. After this sheet is published, all previous sheets cease to be valid.

Emulbit sp z o.o.

80-711 Gdańsk ; ul.Sztutowaska 18A
tel/fax (+48 58) 3067174
www.emulbit.pl; biuro@emulbit.pl

