

AKRYLEX 165 1101

ELASTIC, JOINING, ACRYLIC RESIN FOR MULTIPLE USES

GENERAL CHARACTERISTICS

AKRYLEX 165 1101 is an acrylic-based emulsion used as an admixture to significantly improve properties of mortars in several ways.

- It eliminates setting shrinkage and prevents the formation of cracks.
- Improves elasticity, abrasion resistance and workability.
- Increases bonding to the substrate.
- Reinforces the mechanical and chemical properties and provides solid, waterproofing cement mortars with higher resistance to corrosion.

FIELDS OF APPLICATION

- As a primer on old surfaces before application of concrete and emulsion paints or cementitious coatings.
- As a bonding layer between old and new concrete.
- Reinforces adhesives, plasters and cement mortars.
- Improves water paints resistance against wears and weather effects.
- Combines with **POLSEAL 701** (former waterproofer powder), **SVELTO MAZUN 201**, **POLCOLOR RELIEF 101** (former relief acrylic paste), **POLFILL 204** (former white and colored stucco for tile joints), **TRAVERTINO GRAFIATO 401**, **POLFIX SUPER 1003** (former resina tile glue), **POLFIX 1005** (former resina tile glue) etc.

TECHNICAL DATA

Basis:	acrylic polymer dispersion
Appearance:	liquid
Color:	white
Viscosity:	60 ± 2 mPa•s at 23°C
Density:	1,010 gr/cm ³
pH	8
Temperature for the application and drying of the material:	5 - 35°C

PREPARATION - APPLICATION

The success in the application depends on the right preparation of the underlay and use of the material.

- The substrate must be clean free of materials that might prevent bonding e.g. dust, loose particles, residues, grease etc.
- **AKRYLEX 165 1101** is added into mixing water of mortars. The quantity of **AKRYLEX 165 1101** depends on the type of application and the desired result.
- The solution should be added into the mixer first and following the aggregates and cement to avoid the formation of lumps.

APPLICATION EXAMPLES (proportions are in parts by volume)

- **Priming of walls prior to water paint application**

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AKRYLEX 165 to water, 1:1 in one or two coatings depending on the absorption of the surface.

- **Bonding old and new concrete**

Priming of the surface with **AKRYLEX 165** and **water** in ratio 1:1 (consumption: 100-200 gr/m², depending on the absorption of the surface). Application of the mixture, in thickness of 1 to 3mm, consisting of the following: **AKRYLEX 165:Cement:sand** in ratio 1:1:1 and the appropriate amount of water. Following, the new concrete is applied while the previous layer is still fresh.

- **Repairing mortars**

AKRYLEX 165:Cement:sand in ratio 0,3:1:2 and the appropriate amount of water.

For more details contact with the technical department of POLAT S.A.

PACKAGING

Supplied in drums of 4 and 20kg and barrels of 200kg.

STORAGE

One year in unopened containers in dry places with minimum temperature 5°C.

CAUTION

The application must take place in well-aired places using protective gloves. Skin or eye contact must be avoided, otherwise wash carefully with soap and water.

For more information consult the material safety data sheet.

The information given here is true, represents our best knowledge and is based not only on laboratory work, but also on field experience. However, because of numerous factors affecting results we offer this information without any guarantee and no patent liability is assumed. For additional information or questions, contact the technical department of POLAT S.A.

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