DATA SHEET 2015

RESIL BASE POLYMERS CONSTRUCTION

DESCRIPTION

RESIL BASE POLYMERS is a vinyl and ethylene acetate co-polymer plus additives, redispersible in water. The product provides good saponification resistance.

PROPERTIES

RESIL BASE POLYMERS is recommended for use in mixtures containing mineral binders (cement, anhydrite, calcium hydroxide, gypsum, etc.) used to manufacture adhesive and repair mortars, levelling masses for walls and floors, or as a sole binder in systems with synthetic binders.

APPLICATIONS

General information

The use of **RESIL BASE POLYMERS** provides great advantages as it contains anti-foaming agents, fluidizers, etc. for the manufacture of self-levelling masses for floors and decks.

Very flat surfaces without craters are obtained when using **RESIL BASE POLYMERS**.

RESIL BASE POLYMERS improves adherence, workability, water retention, flexural and abrasion strengths of the mass. In the event of using levelling masses for floors, it also improves fluidity.

RESIL BASE POLYMERS contains a fine mineral filler with anti-caking properties. This product does not contain any solvents, plasticizers or film-forming additives.

PRODUCT DATA	
PROPERTIES	VALUE
SOLIDS	99
ASH	11
DENSITY	500-550
APPEARANCE	WHITE POWDER
COMPOSITION	POLYVINYL ALCOHOL AND ADDITIVES
GRAIN SIZE	0.5 – 8 µm

SELF-LEVELLING MASSES

RESIL BASE POLYMERS is the ideal product for modifying self-levelling masses for floors. Moreover, it is perfectly compatible with all water-dispersible pigments. Adding the redispersible powder improves adherence, water retention, workability, fluidity and the abrasion and flexural strength of masses.

RESIL BASE POLYMERS is especially recommended for applying self-levelling masses to floors as it contains specific additives for this purpose. With RESIL BASE POLYMERS, the sedimentation tendency is less and the surfaces obtained are especially flat and crater-free. By adding RESIL BASE POLYMERS, you can produce self-levelling masses for floors pursuant to EMICODE 1.

RESIL BASE POLYMERS combines perfectly with classic mineral binders such as Portland cement, aluminous cement (Fondu), anhydrite, gypsum, lime or their mixtures. According to the load to which the levelling masses will be subject, we recommend using between 2 and 8% of RESIL BASE POLYMERS with regard to the total mass. Adhesive mortar

RESIL BASE POLYMERS can be used to manufacture any type of adhesive mortar. Using this additive will mainly improve the adherence, water retention, deformability and workability of adhesive mortars. The recommended dosage ranges between 2.5 - 7% of redispersible powder. Cement decks and repair mortars

RESIL BASE POLYMERS is especially suitable for modifying repair and deck mortars. Adding the redispersible powder will improve adherence, flexural strength, water retention, abrasion strength and workability. Modified masses provide reduced speed of carbonatation. The recommended dosage ranges between 1.5 - 7% of redispersible powder.
Modifying gypsum and anhydrite

RESIL BASE POLYMERS is the most suitable product for producing gypsum levelling masses. The surfaces obtained are very flat. Adding the redispersible powder improves the adherence, workability, fluidity, abrasion and flexural strength of the masses. Adding RESIL BASE POLYMERS to levelling masses and panels bound with gypsum or anhydrite improve the deformability, adherence, flexural strength and impact resistance and above all, the workability. Best results are obtained when using systems with fillers (for example, 30 of gypsum and 70 of filler). The recommended dosage of RESIL BASE POLYMERS ranges between 2.5 and 7%.

PROCEDURE

In order to manufacture powder products such as, for example dry mortar, adhesive or levelling masses, use an adequate mixer for combining **RESIL BASE POLYMERS** and the other anhydrous components. During mixing, avoid too high temperatures so that no lumps of resin are formed due to the agglomeration of thermoplastic redispersible powder. After adding the necessary amount of water, the mortar or levelling mass can be kneaded by hand or by machine. When kneading manually, only low shear is created and therefore we recommend letting the mixture stand for 5 minutes and then kneading it again. This standing time is not necessary when using a forced circulation mixer.

STORAGE

RESIL BASE POLYMERS should be stored in a cool, dry place. As the powder has thermoplastic properties, to prevent agglutination it should not be stored under pressure or at high temperatures. It should not be stored for longer than 6 months after supply. Mixtures containing hydraulic binders, fillers and pigments provide sufficient storage stability because these substances act as anti-caking agents. However, they must be protected from damp.

TYPE OF PACKAGING

12.5 kg plastic sacks

OBSERVATIONS

Additional information

The user shall be solely responsible when **RESIL BASE POLYMERS** is used for applications other than those recommended for the selection, procedure and use of the end product. In such cases, all applicable provisions must be observed, including the legal ones.

DATA ON SECURITY

More detailed instructions can be found in the product data sheets. Please contact us if you wish to receive this information.