

ACS LATEX 5®

Adherence and Impermeability Increasing Acrylic Dispersion Based Admixture for Plasters and Grouts



Description

ACS LATEX 5®, is acrylic dispersion based admixture used in plasters and grouts to increase adherence and impermeability (Formal Code : 04.6131-i)

Place of usage

- In inner areas for vertical and horizontal applications.
- In thin layer repair mortars.
- In the inner and outer walls; Adherence and water impermeability.
- In the preparation of spreading plaster.
- On wall charges.
- It is used in obtaining high adherence and cracking surface in screeds.
- As adherence admixture in mortars prepared for repairs.
- It is used to prevent cold joint formation and increase adherence in new concrete or grout applications on old concrete.

- In open spaces, used as admixture to prevent mortar prepared for laying down natural stones, bricks, and floor tiles against Freezing-Thawing cycle.
- In smooth surface finishes or gas concrete surfaces, used before plaster and ceramic application to increase the adherence in shake plaster.

Advantages

- ACS LATEX 5® is an additive material that significantly improves the quality of the mortar when it is added to cement mortars.
- Mortars also reduce shrinkage.
- It provides excellent adhesion.
- Extra increase in wear resistance
- It is not corrosive. it does not damage the reinforcement
- It increases resistance to freeze-thaw cycle.
- Creates a strong and lasting bond.

TECHNICAL CHARACTERISTICS

Structure of the Materia	Modified acrylic dispersion
Color	White
Solids	%47 ± 2
Density	1,10 kg/Lt
Application Floor Temperature	+ 5°C - +35°C
Service Temperature	- 20°C - +80°C
Minimum Film formation temperature	7-12°C
Ultraviolet resistance	Good
Alkali resistance	Good

The above figures are valid for 23C and intended as a guide only and should not be used as a basis for specifications

APPLICATION PROCEDURE / SURFACE PREPARATION

Attention should be paid to the fact that the cement-based surfaces of the structures that come into contact with water are sound, dry, carrier, dustless and clean and at the same time level. Surface must be thoroughly cleaned with oil, grease, rust

and paraffin residues which will weaken adhesion by washing with water jet machine. The iron and wooden blocks on the surface should be removed and active water leaks and gaps should be filled with ACS MORTAR® group repair mortars. Application surface has to be watered 12 hours before, but there must not be any free water left on the surface.

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MIXING

ACS LATEX 5[®], is diluted by water ratios stated in each application.

UNDERCOAT ON SCREEDS

ACS LATEX 5[®] It is used to prevent cold joint formation and increase adherence in new concrete or grout applications on old concrete.

IN PLASTER MORTARS

1 m³ washed river sand in suitable gradation is mixed with 350 kg cement. Liquid mixture, prepared by adding 6 kg **ACS LATEX 5[®]** into 120 kg water, is added onto powder mixture until thixotropic mortar is obtained. Surface must be wetted, 12 hours before application and **ACS LATEX 5[®]** admixture mortar has to be applied on wet/dry surface.

PRIMER IN GROUTS

It is used to prevent cold joint formation and increase adherence in new concrete or grout applications on old concrete.

A: 1 kg cement is mixed with 3 kg (0-3 mm grainy) washed river sand.

B: 1 kg **ACS LATEX 5[®]** is mixed with 2 kg water. A and B mixtures are mixed until it becomes creamy. Then, it is applied on surface, which was moisturized 12 hours before, with 2 cm thickness by brush. Fresh concrete has to be placed on primer coat before it dries. After applying second layer of primer coat fresh concrete is placed on top of it.

MAKING OF GROUT

1 m³ river sand in suitable gradation is mixed with 350 kg cement. 4 kg **ACS LATEX 5[®]** is added to 110 kg water. This liquid mixture is added to prepared powder mixture until suitable mortar for making primer is obtained. Primer layer, which was described in detail above, has to be applied on surface. Fresh concrete must be placed on primer layer before it dries.

IN SHAKE MORTARS

1 m³ river sand in suitable gradation is mixed with 350 kg cement and 10-12 kg **ACS LATEX 5[®]**. Water is added to this mixture until it becomes creamy. Then, it is applied on surface, which was moisturized 12 hours before, with sprinkle tool and left to dry. Surface is moisturized before plaster or ceramic tile application.

IN COATING MORTARS

1 m³ aggregate in suitable gradation is mixed with 250-270 kg cement, 4 kg **ACS LATEX 5[®]** and appropriate amount of water. Coating material is applied on soil with prepared mortar with admixture.

DRYING TIME

After 24 hours you can walk on cement based grouts prepared by **ACS LATEX 5[®]** admixture. Final strength of **ACS LATEX 5[®]** added mortars is gained in +20°C after 28 days.

CLEANING OF TOOLS

All the equipment must be cleaned with water immediately after the application.

PACKAGING

10 kg and 30 kg plastic container

STORAGE

In unopened original package, it should be stored in a cool and dry environment protected from the freezing. In short-term storing, maximum 3 palettes can be stowed on top of each other and delivery has to be according to first in first out system. In long-term storing, the palettes must not be stowed on top of each other. Ambient Temperature should be at least 10 °C and above.

SHELF LIFE

The shelf life is 12 months from the date of production under suitable storage conditions. Opened packages should be closed firmly and consumed within 1 week.

SAFETY

During the application, work clothes, protective gloves, goggles and masks should be used in accordance with the Occupational Health and Safety Rules. Due to the irritating effects of uncured materials, the components should not be allowed to come into contact with the skin and the eye. In case of contact, immediately wash with plenty of water and soap. If swallowed, seek medical advice immediately. Food and beverages should not be left at the application areas. Keep out of reach of children. Please refer to the Material Safety Data Sheet for detailed information.

□ Responsibility

The technical information given in this publication is based on the present state of our best scientific and practical knowledge. **ACS A PLUS CONSTRUCTION SOLUTION YAPI ANONİM ŞİRKETİ** is only responsible for the quality of the product. **ACS A PLUS CONSTRUCTION SOLUTION YAPI ANONİM ŞİRKETİ** is not responsible for results that may occur because the product is used other than advised and/or out of instructions regarding the place and the method of use. This technical form is valid only till a new version is implemented and nullifies the old ones (06/2019)