Technical Data Sheet/Publication Date: 01.01.2013/Revision No: 01/Revision Date:20.11.2017

ARSLANLI CORNICE PLASTER

- **Description**

  It is a building gypsum used for interior decoration.

- **Area of application**

  -It is used indoors for decorative and ornamental applications such as cornices, curtain boxes, light bands, columns and perimeter suspended ceilings, etc.

- **Application properties**

  -Setting time: min. 8 minutes (by the knife-cutting method)
  -ARSLANLI CORNICE PLASTER is a building gypsum with high strength, that is white and smooth, on which paint can easily be applied, and which gives an aesthetic appearance to the surfaces it is applied on.
  -It is also very suitable for mold manufacturing in the ceramics industry.
  -Its working time allows for comfortable, waste-free application.
  -Its fineness, whiteness and setting time provide convenient working conditions.
  -It can also be applied in building plaster use areas.

- **Surface preparation**

  -Surfaces to be applied must be free of dust, dirt, grease and similar residues that would prevent adhesion.
  -Care must be taken to ensure that the surface has cured and is sound.

- **Application conditions**

  -Ambient temperature between +5 0C and +350C,
  -Should not be applied on frozen, thawing surfaces or surfaces at risk of freezing within 24 hours.
  -Surfaces on which application has been completed must never be allowed to come into contact with water.
  -Should not be applied under direct sunlight, strong wind or on hot surfaces.

- **Warnings and Recommendations**

  -Attention must be paid to the water/plaster ratio of the mixture. Otherwise, deviation from this ratio may cause spalling, cracking and loss of strength.
  -Application should not be carried out in very hot, dry and windy conditions. Applications performed in excessively hot conditions may result in spalling, cracking and loss of strength.
  -Attention must be paid to the product storage conditions. Products should not be kept in humid and very hot environments.
  -If hardening (petrification) is observed inside the bag, the product must never be used.
  -As it contains various chemical additives and gypsum, its dust should not be inhaled. Contact with skin and eyes should be avoided. In case of contact, rinse thoroughly with plenty of water. Protective work clothing such as masks and gloves should be used during work.

- **Application tools**

  Hand mixer,

- **Application**

  -The container in which the mortar is to be prepared must be clean and free of residues from the previous mix.
  -The water used in the mixture must not be salty, acidic or oily. Water temperature should be between 17 and 230C.
  -The mortar should be prepared at a ratio of 7 kg of water to 10 kg of ARSLANLI CORNICE PLASTER.
  -Water is first poured into the container, and then ARSLANLI CORNICE PLASTER is sprinkled in. Wait approximately 2-3 minutes for the plaster to absorb the water.
  -Mix thoroughly with a trowel or hand mixer to obtain a homogeneous consistency.
  -If a hand mixer is used, it should be operated at low speed, as the mixer's speed will affect the setting.
  -The mortar in the mixing container is mixed until it becomes fluid at every point.
  - To prevent the plaster from clumping, no water or plaster should be added to the mortar after mixing.
  -No other product or material should be mixed into ARSLANLI CORNICE PLASTER.
  -The mold into which the mortar will be poured should be cleaned and placed on a surface that can be easily shaken.
  -A suitable release agent is applied to the mold surface so that the cornice comes out of the mold cleanly.
  -The mortar is poured into the mold and ensured to settle thoroughly into the mold.

Arslanlı Alçı ve Hammaddeleri Tic. San. A. Ş. Organize Sanayi Bölgesi 23269 Yazıkonak/ELAZIĞ/TÜRKİYE
Tel: +90 424 255 55 05 (pbx) | Fax: +90 424 255 58 68 E-mail: info@arslanli.tc
www.arslanli.tcwww.arslanli.tc | www.arkim.tc | www.aralci.tc | www.artherm.tc | www.arcalcite.tc
www.arkim.tcwww.aralci.tcwww.artherm.tcwww.arcalcite.tc

-Hemp reinforcement is added where necessary to increase strength.
-After the plaster begins to harden, the area around the mold is cleaned.
-The plaster poured into the mold will begin to heat up. After the heating period is over, the plaster is removed from the mold.

-The plaster removed from the mold should be left at ambient temperature until it dries. Allowing the product to rest prevents breakage and cracking during installation.
-The mortar used for bonding the mold can likewise be prepared from ARSLANLI CORNICE PLASTER.

- **Consumption**

1 kg/m2 (for 1 mm thickness)

- **Performance Information**

-Flexural strength after two hours: ≥ 1.5 N/mm2
-Flexural strength after seven days: ≥ 2 N/mm2
-Surface hardness after two hours: ≥ 4 N/mm2
-Surface hardness after seven days: ≥10 N/mm2
-Initial setting time: ≥ 8 minutes (by the knife-cutting method)
-Calcium Sulphate content: ≥ %50
-Direct airborne sound insulation: NPD
-Thermal Resistance: ≤ 0.28 W(m/K)
-Reaction to Fire: Class A 1
-Dry Surface Hardness: ≥ 55 SHORE D
-Temperature resistance: -300C to +600C
-Note: Application properties have been determined as a result of tests carried out in laboratory conditions (23 ± 2 0C and 50% ± 5 humidity, with no air current) and may vary according to different ambient conditions. Performance information has been tested in the environments specified in the relevant standard for the product, and results may vary in different environments.

- **Reference Standards**

-TS EN 13279-1//C1/8
-CE

- **Packaging**

-30 kg Polypropylene laminated bag

- **Physical state**

-White, powder

- **Storage Conditions**

-In a dry environment, no more than 18 bags should be stacked on top of each other. Bags should be stored so that they do not touch the ground and are protected from moisture. Under these conditions, ARSLANLI CORNICE PLASTER should be used within 12 months from the production date. Improper storage conditions or exceeding the shelf life may impair the properties of the product.