

Thermal Insulation Systems / Acrylic Based Adhesives**AKRILAN[®] 700**

Acrylic Adhesive for Thermal Insulation Systems

DESCRIPTION

Acrylic dispersion based, high performance, **ready-to-use**, paste type adhesive for bonding thermal insulation boards.

APPLICATION AREAS

- Indoor and outdoor board, gypsum-plaster, cement-bonded particle boards and wood.
- Mineral based surfaces
- Bonding thermal insulation boards (EPS, XPS, Stone Wool etc.) on painted surfaces, gypsum

TECHNICAL PROPERTIES

Appearance	White colored, acrylic based dispersion
Density	~ 1.50 kg/L
Application Temperature	Between +5°C and +35°C
Adhesion Strength	≥ 1 N/mm ² (TS EN 1015-12)
Working Time	20 minutes
Fixing with Wall Plugs	Minimum 48 hours later
Plaster Application Time	1 – 2 days later
Service Temperature	-30°C / +80°C

ADVANTAGES

- Ready to use. Unlike cement based products, it does not create dust
- Does not contain solvent, odorless. Safe to use indoor
- Since it is more elastic and provides a stronger bond compared to cement-based adhesives, it is preferred in bonding thermal and acoustic insulation plates on painted surfaces, especially indoor
- Resistant to moisture
- Applied easily and saves labor
- Allows water vapor permeability.

CONSUMPTION

3.5 - 4 kg/m² (Varies depending on the application surface.)

APPLICATION**PREPARATION OF THE SURFACE**

- The surface must be cured.
- The surface must clear of materials which prevent bonding, such as dust, oil, tar, bitumen, paint, silicone, curing agents, detergents and mold release oils.
- Remove the loose parts on the surface, repair the cracks and level the surface.
- If required, prime the surfaces with high water absorbency such as gas concrete before the application of AKRILAN 700.

APPLICATION

- Stir AKRILAN 700 thoroughly in its own bucket before the application. Do not add water.
- Apply AKRILAN 700 with a spatula as a thin layer by pressing on the surface or insulation board and form a contact layer. Then comb the product over the entire surface with an 8 mm toothed trowel. During the application, Pay attention to prevent the adhesive to overflow from the board edges to the joint gaps.
- Apply AKRILAN 700 both on the surface and on the insulation boards with combing directions perpendicular to each other for double-sided bonding method.
- Press with the help of a rubber hammer to ensure a good adhesion. Be careful to the corner joints of the boards.
- Fill the gaps up to 2 mm between the joints of the boards **with PU 960 Multi-Purpose Polyurethane Foam**, and larger gaps with the heat insulation boards' material.
- It is recommended to fix the plates to the surface mechanically by plugging 48 hours after AKRILAN 700 application.

CAUTION

- Avoid application in temperatures below +5°C and above +35°C.
- Avoid application on frozen areas, on areas under risk of freezing in 24 hours or on areas open to direct sunlight or wind.
- Close the package cover tightly when not in use.
- Do not add water or any other foreign substance to the product.
- Stir the product at regular intervals during operation.
- If the water absorbency of the surface and the boards is low, the drying time of the product will be prolonged.
- In order to prevent heat transfer, place the thermal insulation boards on the surface in such a way that there is no space between them as much as possible.
- Pay attention not to use boards that lost their properties due to intensive sun exposure.

PACKAGING

15 kg plastic buckets

SHELF LIFE

Unopened packages can be stored for 12 months in a dry environment between +5°C and +25°C. Stir well before use. Protect against freezing.

HEALTH AND SAFETY

As with all chemical products, avoid contact with food products, skin, eyes and mouth during use and storage. During the application, use work clothes, protective gloves and glasses in accordance with the occupational and worker health rules. Consult a doctor if accidentally swallowed. In case of contact with skin, rinse with water. Do not leave the cover open. Avoid prolonged contact with uncured silicone. Store out of the reach of children.

The application instructions and technical values given for the products have been obtained in accordance with our tests and experiences in accordance with international standards at 23±2°C temperature and 50±5% relative humidity conditions. These values may vary depending on ambient conditions. High temperatures shorten the times, low temperatures lengthen them. Before starting the application, the user should test whether the product is suitable for the application and purpose. FIXA Yapı Chemicals San. Trade Ltd. Sti. is not responsible. This Technical Data Sheet remains valid until the next revision is published. FIXA reserves the right to change the values specified in this Technical Data Sheet, provided that the new version is published. It is the user's responsibility to check that the document is up-to-date. Please contact our sales department for more information.