

PENTENS ACW-015

High Performance Fiberglass Mesh

Product Data Sheet

Description

PENTENS ACW-015 is an alkali-resistant woven glass fiber. It is made of neutral fiber glass, specially treated with alkali-resistant polypropylene liquid. Its high tensile strength characteristic enables it to perform a superior reinforcing function. It is designed in an open-textured mesh form so as to allow cementitious or non-cementitious particles to pass through, thereby forming a compact-reinforced sandwich system upon application. This system eliminates separation problem between the top and bottom layers should a high force be applied on it.

Uses

It is widely used in reinforcing waterproofing membranes, coatings and exterior insulation finishing systems, etc. It can also reinforce cement, plastic, bitumen, resinous coatings, plaster boards natural marble, mosaic, etc. It is an ideal material for construction use.

Advantages

- It has good water resistance, alkali resistance, flexibility, softness and resistance against aging.
- Very durable, versatile and cost-effective.
- Suitable for all kinds of architectural designs.
- Easy to apply.

Technical & Physical Data

Tensile Strength (CNS 13483)

MD 14 kgf

CD 16 kgf

Maximum Load of Elongation
(CNS 13483)

MD 38 %

CD 2 %

Peel Strength (CNS 5812)
(Flexible Cement)

1.4 kgf/cm

Peel Strength (CNS 5812)
(Water-based Polyurethane
Waterproofing)

1.5 kgf/cm

Material Analysis (FTIR)

Main constituent is
glass fiber

Chemical Resistance (CNS
4447) (20% NaOH, 168hrs)

No variation

Glass Fiber Content
(CNS 12777)

80%

Dimension

1m×100m

Packaging

100m²/roll

Important Notes

ACW-015 should be stored dry in its original packaging. The best conditions are temperature between 15°C and 35°C at relative humidity between 35% and 85%.

If the product is stored at low temperature (below 15°C), it is advisable to condition it in the workshop for at least 24 hours before using it to prevent condensation.



PENTENS



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