GLACIAL | Specialist Coatings

Glacial-Key

Glacial-Key

A 57% water-based Styrene Acrylic Copolymer Emulsion

Glacial-Key *is used in the construction sector for modification of cement based mixtures and an excellent binder for flexible mineral sealing slurries. It is also suitable for the formulation of crack bridging, waterproofing coating compounds and flexible cement free roof coatings.*

Typical Properties[1]

Appearance	*Milky white emulsion*
Solids (±1%)	*56 - 58*
pH	*7 - 9*
MFFT (°C)	*0*
Particle Size1 (±µm)	*0.2*
Viscosity[2]	*500 - 3500*
Specific Gravity[3]	*1.04*
Tg (°C)	*-6*
Film appearance	*Clear, tough, tacky*

Glacial-Key is available in
20lt or 1000lt flow bins

Applications: Glacial-Key is used in the construction sector for modification on cement mixtures and a flexible binder in mineral sealing slurries.

Storage: Glacial-Key can be stored for 6 months in closed, unopened original drums or storage vessels, provided the temperature does not fall below 5 °C or exceed 40°C. Keep out of direct sunlight and protect from frost.

Features & Benefits:
Very flexible
Excellent Binding
Suitable for crack bridging
and waterproofing coatings
Flexible cement free
roof coatings

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36 Umfolosi Road, Paulshof, 2191
011 807 0545 086 648 1603 (fax)

www.glacial.co.za

1. *Not to be used as a specification*
2. *Brookfield viscometer RVT, Spindle 3, 20rpm*
3. *At 25°C (Typical Value)*

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Method Statement & Mixing Ratios

Slushing

1. Brush down or wash off loose materials left on the exposed face bricks/concrete.

2. Mix up a workable wet slurry that you can easily apply with a block brush: 60% water + 40% glacial-key with one cement and two river sand. Brush onto the face bricks creating the key required. Allow to dry 24hrs.

Plastering

1. Mix plaster ratio: wheel barrow mix = three good clean plaster sand one cement (normally 1/3rd bag) and add half a litre glacial-key plus water to workable plaster mix.

2. Wet the slushed bricks and plaster to a 20mm constant thickness. This should be achievable on the even face bricks. Add water if its too sticky and finish with a wood float to achieve required finish. Wet the finished area at least three times over the next 48 hours to aid curing.

Notes: *1. Mechanical mixing and batching of materials is strongly suggested. 2. Ensure all aggregates are accompanied with the relevant SABS quality certificates. 3. Curing time before coating/painting is 36 hours.*

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