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TECHNICAL DATA SHEET

ELASTAN

PRODUCT DESCRIPTION

Type

A one component coating based on acrylic-styrene with elongation ability up to 400% that used as mid coat under top coat paint and prevent of surface cracks growth

Features and benefits

Good elasticity –elastan has elongation ability up to 400% of initial length

No Unpleasant Smell- emulsion paint has no petroleum diluents and unpleasant smell due it

Anti Algae & Anti Fungal - Long lasting protection against fungus and algae in tropical climates.

Water Resistant - Resist water ensuring less stain marks.

Formulated without Harmful Chemicals - Free from harmful chemicals such as APEO, formaldehyde, heavy metals and has low volatile organic compound (VOC).

Recommended use

As a mid coat layer before top coat on substrate with crack possibility

Substrate On

Plaster and masonry

PRODUCT DATA

Generic type	styrene-Acrylic
Colours	light gray
Solids	47± 2 volume%
PVC	40± 2 volume%
Packaging size	packing in 14 and 25 Kg plastic bucket



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APPLICATION DATA

Application methods

By brush and roller

Conditions during application

The temperature of the substrate should be minimum 10 °C and at least 3 °C above the dew point of the air, measured in the vicinity of the substrate. Good ventilation is usually required in confined areas to ensure proper drying.

Recommended film thickness per coat

Dry film thickness : 70 - 117 microns (μm)

Wet film thickness : 150 - 250 microns (μm)

Film thickness will vary and is calculated as average.

thinner

water

Dilution

To achieve fine texture add water up to 10%

Drying times

Drying times are generally related to air circulation, temperature, film thickness and number of coats, and will be affected correspondingly. The figures given in the table are typical with: Good ventilation (Outdoor exposure or free circulation of air) Typical film thickness One coat on top of inert substrate The given data must be considered as guidelines only. The actual drying time and time before recoating may be shorter or longer, depending on the ambient temperature, film thickness, ventilation, humidity, underlying paint system, requirement for early handling and mechanical strength etc.

1. Recommended data given is, for recoating with the same generic type of paint.
2. In case of multi-coat application, drying times will be influenced by the number and sequence and by the total thickness of previous coats applied.
3. The surface should be dry and free from any contamination prior to application of the subsequent coat.

Relative Humidity (RH) 50 % and Substrate temperature 25°

Surface (touch) dry	4h
Hard dry	24h
Dry to over coat	8h



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Equipment cleaning

Clean equipment by soap and warm water

DIRECTIONS FOR USE

Surface preparation

The substrate must be sound, clean, dry and free from dust, oil, grease etc. All traces of form release agents/curing agents must be removed. A light sanding with suitable abrasive material is recommended before application. Any resulting dust/loose particles must be removed. Before elastan exert seal the surface by kapamer or kapamer+ .

Storage

Keep the containers in a dry, cool, well ventilated space and away from sources of heat and ignition. Containers must be kept tightly closed. Handle with care.

Storage in winter

Water-based paint can freeze at the same temperature that water freezes at (0 degrees centigrade). Freezing temperatures can do permanent damage to the emulsion in paint, causing the paint to become a strange consistency. Paint that has frozen and thawed may become ropey, stringy or clumpy. It may be the consistency of cottage cheese or gritty, like sandy water.

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This Technical Data Sheet has issued by research and development unit in MOBTAKERAN SANAT PAINT AND RESIN company. For more detail please visit our website at www.polyface.ir