

WeatherCem

Description

Happilac WeatherCem is a high performance single component polymer modified cementitious micro topping that can be brushed and sprayed on a variety of horizontal and vertical surfaces such as brick, concrete, cement, plaster and fiber board etc. It gives a decorative and protective cementitious topping that is resistant to dampness and water seepage.

Recommended For

Happilac Weathercem is suitable for use on interior and exterior walls ranging from residential to heavy commercial and industrial applications. It can be used on wood, gypsum and metallic surfaces. Happilac technical department is always available to assist you in the correct use of our product.

Features

- Durable and long lasting
- No settling/separation after mixing with water
- Super adhesion
- Water permeable and breathable
- Exterior and interior application
- Single component and ready to use
- Excellent moisture and water resistance
- Self priming and UV resistant
- Available in white and 16 standard colors

Limitations

- Curing may take minimum of 3 days
- During application, allow each coat not to dry completely and must be moist
- Do not apply if temperature is likely to drop 7°C or rainfall is expected in next 24 hours
- Do not apply in direct sunlight or when temperature will exceed 35-40°C under direct sunlight

Technical Details

Form	:	Cementitious powder
Water demand	:	1:1 (depends on application method)
Bulk density 0.10kg/l(dry)	:	1.50
Bulk density 0.10kg/l(wet)	:	1.50
Compressive 1.00N/mm strength	:	3.50 ±2
Flexural 0.50 N/mm strength	:	0.60±2
Pot life	:	2 hours at 25°C
Coverage by brush	:	70-80m ² per 20kg bag
Coverage by spray	:	90-100m ² per 20kg bag

Surface Preparation

Surface should be sufficiently rigid and clean from any surface contamination that may prevent good adhesion. Any painted or coating surface should be sandblasted or pressure washed to remove existing coatings. Cracks should be corrected with patching compound Happilac Crack Filler.

Application Guide

Application temperature should be between 50°C to 35°C. Always test a small area and ensure bonding ability and satisfaction of appearance before total application. Happilac Weathercem must be applied on substrate and after application must be cured with water.

Brush Application:

Generally higher the amount of water, the more transparent the finish will be. A minimum of one part of Happilac WeatherCem to one part water is needed for workability. Yet over dilution can cause spots in dark shades. 2 to 3 coats are recommended for better protection.

Spray Application:

Happilac WeatherCem can be sprayed using a gravity feed air spray gun, ideally having a 2:8 nozzle.

Warning: All personnel in area must be wearing an approved dust respirator while applying Happilac WeatherCem by spray. Generally one part Happilac WeatherCem and two parts water is used. Apply consequent coats while the previous coat is still wet. 2 to 3 coats are recommended for better protection.

Mixing:

Mixing should be done with drill mounted jiffy-type mixer. Always add clean potable water first. Mixing duration should last for 2 to 3 minutes to ensure proper color and material dispersion within mixture. Allow mixture to stand for 5 minutes and retamper. The water to powder mixing ratio depends on the method of application.

Available Packs and Storage

The product is supplied in powder and/granule form packed in approx. 20kg plastic sacks.

The product must be stored in a cool, dry and well ventilated place away from source of heat and ignition. Keep the sack closed and handle with care.

Health and Safety Notes

- When applying, wear appropriate eye protection.
- In case of eye contact with product, rinse with plenty of water for at least 10 minutes.
- Don't breathe spray mist or dust.
- Ensure proper ventilation when applying.
- If swallowed, it may cause serious damage.
- When empty, don't use its sack for edible storage.
- Keep out of reach of the children.
- Pregnant women are advised to avoid breathing of paint mist or spray.
- In case of any emergency, undergo medical supervision as soon as possible.

CAUTION: Scraping/sanding off previously painted surfaces may release lead dust or fumes. Lead is highly toxic; take protective measures thoroughly when rubbing off the old surfaces.