

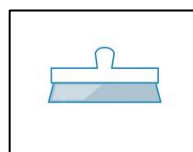
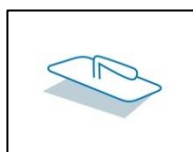
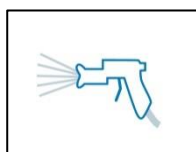
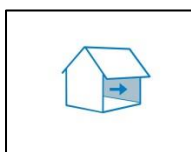
# Spray & skim Plaster Wall-Crete

Ready-Mix, Paste-Like, Synthetic-Resin  
Dispersion Filler/Skim-Coat, Fine For Interior

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## Product Description

Vortex Spray Plaster / Skim plaster Wall-Crete, an acrylic-based compound, is a conveniently ready-to-use blend of inert filler materials, designed for application on various interior building surfaces. It provides a superior surface ideal for painting or applying other finishes. Suitable for both precast and conventional constructions, Vortex Spray Skim Plaster Wall-Crete can be effortlessly applied onto new or existing solid surfaces like precast concrete, aerated concrete, sand/cement, fair-faced brickwork, and leveled brickwork, among others.



## Recommended Use

Vortex Spray & Skim Plaster Wall-Crete comes ready for immediate use, but can be diluted with 2-3% water if necessary. It effectively patches and repairs uneven or damaged surfaces. Simply apply on the first coat and level it with a steel-edged spatula. Any excess material on the spatula should be returned to the machine. If needed, a second coat of Vortex Spray & skim Plaster Wall-Crete can be applied. Finish off the surface with 1 or 2 coats of Top Coat.

Remember to clean your tools and equipment with water after each use.

Interior 1	Interior 2	Interior 3	Exterior 1	Exterior 2
+	o	-	-	-
(-) inapplicable / (o) of limited suitability / (+) suitable				

## TECHNICAL

<b>Product</b>	Applied ready mixed plaster in paste form.
<b>Composition</b>	Formulated from acrylic binders and precisely graded fillers.
<b>Colour</b>	White / off-white
<b>pH Value</b>	8-9
<b>Specific Gravity</b>	1.70 ± 0.05
<b>Application Equipment</b>	Spray machine : Spray gun   Trowel Compressor : 600ltr./ min.
<b>Consumption Rate</b>	1.75 kg/m <sup>2</sup> /mm
<b>Daily Application Rate By Hand</b>	125 m <sup>2</sup> (team of 3 men for application)
<b>Daily Application Rate By Spray</b>	500 m <sup>2</sup> (team of 3 men for application)
<b>Packaging</b>	25 kg plastic bags
<b>Storage</b>	9 months in original unopened containers.

## Technical Information No. 010 – Issue: May 2024

All suggestions and application instructions herein are based on our latest technical experience. Due to the wide variety of individual project conditions, we cannot be held responsible for their content. These instructions do not release the purchaser/appliator/consultant from his responsibility to determine the suitability of the product in consideration of the project characteristics. These instructions are to be considered void when a new edition is released. We reserves the right to change the given data without further notice. Our general conditions of sale and delivery in their latest edition apply.

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## Advantages

- Water-dilute able, ecologically compatible
- Low odour, non-toxic, emission-minimised and solvent-free
- Excellent adhesive strength with high coverage
- Rigid/stiff, when thoroughly cured
- Non-shrinking, low-sagging and do not flake off
- Can be sanded in dry condition and felted in wet condition
- Quick drying and diffusion-capable
- Non-flammable
- Ready to use
- Easy to apply and easily sand able

## Surface Preparation

The substrate must be even, clean, dry, solid, sound/stable, and free from all substances that may prevent adhesion. Remove unsound coatings of enamels, dispersion paints, synthetic renders/plasters and unsound mineral paint coatings. Clean sound, adherent paint coatings dry or wet. Clean surfaces with organic growth (moss, algae and mild) by high pressure water jet in compliance with the regulations. Clean surfaces soiled with industrial gases or soot by high pressure water jet and suitable cleaners in compliance with the regulations.

Adjust the substrate evenness of the planned, finer surface finish. If necessary, carry out additional substrate leveling measures. Check existing coatings for their load-bearing capacity. Remove any non-load bearing or structurally weak coatings. Any damaged areas or surface irregularities should be repaired before application. Repairs must be well set and dried out. Damp or not fully cured substrates can lead to defects in subsequent coats, such as blistering or cracks.

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Diluting the material too much will make application more difficult and will result in poorer characteristics (e.g. hiding power, etc.). It's strongly recommend to use the thinned paint in same shift and not to store for next day as there are might chances of paint losing its characteristic's, settling, formation and chances of bacterial contamination from external sources. Hence recommended to estimate paint required for the shift and mix accordingly to avoid any problems.

## Film Thickness and Consumption Rate (depending on surface condition and necessary layer thickness)\*

	Minimum	Typical	Maximum	
Wet film thickness	565	850	1130	µm (Depending on the surface)
Dry film thickness	300	450	600	µm (Depending on the surface)
Consumption rate (Levelling, Smooth)	Approx. 1.8 kg/m <sup>2</sup> /mm of coating thickness			(Depending on the surface)
Consumption rate (Spatter Effect)	Approx. 0.5 to 0.8 kg/m <sup>2</sup> /mm of coating thickness, as per desired texture			

\*Indicated rates per coat are indicative, due allowance and wastage factor should be considered in practical application. This indication does not take into account usage for spilling or loss on site. The figure may also vary according to substrate or application conditions. The exact rate of consumption for your particular project is best established by a trial application on site and executed by your desired applicator.

## Drying Time (depending on surface condition and necessary layer thickness)\*

	10°C	25°C	40°C	
Substrate temperature				
Touch dry	5	4	2	h
Dry to over coat	18	10	6	h
Ready for stress	65	30	15	h

\*The material cures physically by evaporation of water. Drying time generally related to air circulation, temperature, film thickness, no of coats and relative humidity. The given data must be considered as guidelines only per coat. The actual drying time before recoating may be shorter or longer, depending on film thickness, ventilation, humidity, underlying paint system, requirement for early handling and mechanical strength etc. The figures given are typical with: Good ventilation (outdoor exposure or free circulation of air), typical film thickness, on coat on top of inert substrate and relative humidity 70%.

## Application Conditions

Substrate temperature should be min.5°C and at least 3°C above the dew point of the air. Suitable processing temperature should between + 5°C to approx. 40°C for material, substrate, water and ambient air during application and curing.

At application below 10°C drying temperature will be significantly extended and spraying characteristics may be impaired.

Paint to be applied to suitable primed surface. Do not apply during strong wind, fog, high relative humidity, and imminent rain or frost. Do not apply or leave to dry in direct sunlight as this can lead to differences in gloss levels and even to slight cloudiness.

## Application Equipment's/Tools

Spray & Skim Plaster Wall-Crete is recommended to be applied with plaster conveyor and high-performance airless equipment or clean hand applicators, or Trowels. Remove all filters, when airless guns are used. Use spray guns with a higher discharge, recommended by the manufacturer.

Nozzle size: Pressure: 4 to 5mm

Compressor capacity: Approx. 120 to 140 bar min. 200 Liters

Manual application also can be done if required. Use for smooth surface application trowel, steel edged spatula, scrapper, and scrubber and putty knife. It is recommended to use trained and experienced applicator to carry out spray plaster works.

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## Colour Stability

The natural graining of the used small grains can become partially visible and appear may be as little darker grains in the filler. Those effects are due to the basic appearance of a grain filled material and attest to the natural properties of the raw materials used. This does not impair the quality and the functionality of the product.

It is not possible to give warranty for uniform white colour and freedom from stains due to chemical and/or physical curing processes and fluctuations in the weather and different substrate conditions, e.g. uneven absorption behavior of the substrate, different substrate moisture levels over the entire the surface, partially very different alkalinity/substances from the substrate, direct solar radiation with sharply delineated shadowing on the freshly applied filler.

## Storage and Handling

6 months when stored in warehouse conditions below 35°C in the original, unopened packs. The product must be kept in in cool, dry well ventilated space and away from source of heat, sunlight and ignition. Keep out of reach of children.

## Health and Safety

Always ensure good ventilation during application and drying. Do not eat, drink or smoke while using the product. Do not breathe vapors or spray when applying paint indoor by spray, wear proper air supplied breathing equipment's. Respiratory equipment's must be suitable for the purpose and meet appropriate standards. When applying paint, it is advisable to wear suitable eye protection, in case contact with eyes, rinse immediately with plenty of water and seek medical advice. Remove splashes from skin, use soap and water or recognized skin cleaner. Do not use or store by hanging on a hook. Materials and all related packaging must be disposed of in a safe way in accordance with the full requirements of the local authorities. Do not allow product to enter into wadis, waterways, drains, watercourses and soil. Only completely emptied containers should be given for recycling. Material safety data sheet (MSDS) available on request.