

STONEMIST

DS. 01.04.4410

100% Acrylic polymer based finish
with ceramically colored quartz aggregate



Product Description:

Stonemist finish is a mixture of ceramically coloured quartz aggregates set in a 100% acrylic binder base that is available in 10 different colours. It is a ready-to-use product that ensures exceptional results, is vapour permeable and resistant to weather conditions.

Colour:

10 different colour compositions

Packaging:

23.00 kg net (pail)

Coverage:

2.8 to 3.5 kg/m² (spray application method)

NOTE: Coverage rate has been determined assuming the product is applied by an experienced professional. The actual coverage may vary depending on the condition of the substrate as well as application method used and individual experience.

Storage time and conditions:

Store in sealed original pails at a temperature of +4°C to +40°C a period not exceeding 24 months from the date of production. Pails should be protected from damage and direct sunlight.

TECHNICAL DATA

TEST TYPE	TEST METHOD	TEST CRITERIA	TEST RESULT
Water absorption [kg/m²]			
After 1 hr immersion	ETAG 004	< 1	< 0,05
After 24 hr immersion	ETAG 004	< 1	< 0,22
Impact resistance			
With Primus Base Coat			
Impact 3 J	ETAG 004	No cracks or breaks	Category II
Impact 10 J	ETAG 004	No perforation	Category II
Impact resistance [J]			
With Primus Base Coat	ÖNORM B 6100	≥ 3	5
Water tightness			
Heat – rinse cycle	ETAG 004	no deleterious effect	no deleterious effect
Heat freezing cycle	ETAG 004	no deleterious effect	no deleterious effect
Flexibility	ASTM D522		No cracking at 38 mm diameter at +20°C
Mildew resistance	ASTM D3273	No growth after 60 days	No growth after 60 days

FEATURES & BENEFITS

FEATURE	BENEFIT
1 Acrylic polymer based	Excellent UV resistance Excellent flexibility Excellent mechanical resistance
2 Pure Quartz aggregate	Natural appearance Stable colors High acid rain resistance

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USES

1. As a durable finish in wall finish systems for all Dryvit EIFS.
2. As a decorative finish on existing internal and external surfaces.

SUBSTRATE PREPARATION

The surface should be clean, dry, well bonded and free of efflorescence, blooms, and other agents that may impede application of Stonemist.

The surface should be painted with Color Prime M at least 4 hours in advance of application of Stonemist in order to correct colours.

The surface should be protected against excessive moisture (capillary suction, water drainage, excessive amounts of diffuse water, etc.).

Dryvit base coat – paint with Color Prime no sooner than after 24 hours of application.

MIXING

Stonemist finish should be thoroughly mixed with a slow-speed mixer (400–500 rpm) after opening. Mixing time: between 1 and 1.5 minutes. Do not overmix.

NOTE: Do not use an aluminium mixer to mix finish.

APPLICATION CONDITIONS

Air and substrate temperature at the time of application of the Stonemist finish and during the next 24 h may not be less than +10°C.

Avoid work in strong sunlight and on strongly heated surfaces. The finish should be protected against rain and damage until it is fully dry and sealant as well as metal works completed.

APPLICATION METHOD

Stonemist finishes should be applied by a contractor having experience in the application of thin-layer plaster finishes.

1. The first coat of Stonemist should be applied to aggregates thickness using a stainless steel trowel. The surface should be even and free of signs of trowelling or gaps (first coat may also be applied using a spray method).
2. A second layer of Stonemist should be immediately applied, using spray method to the wet coat – first using horizontal movements and then vertical movements – in order to achieve the required texture.

The overall thickness of the Stonemist coat should not exceed 4 mm.

Stonemist may also be applied using methods recommended for Dryvit finishes, i.e., using a stainless steel trowel followed by floating with the use of a plastic trowel in order to achieve a smooth texture (spray application is recommended for large surfaces). Work should be carried out by a skilled mechanic experienced in the spraying and trowelling of aggregate finishes.

DRYING TIME

Approx. 24 h, at +20°C and 55% relative humidity. Drying time in case of lower temperatures and higher relative humidity is longer. The surface should be protected against rain until it is fully dry.

Notes and limitations

Finish from various batches may differ slightly in colour due to differences in colour, mixture and placement of aggregates. Materials from the same batch (batch number given on packaging) should be used in order to achieve a uniform colour on a given surface. The achievement of a uniform surface is also conditional on maintaining constant spray parameters: pressure, nozzle diameter, thickness of applied coat as well as distance and angle of spray gun to surface.

A compressor with variable output pressure should be used for spray application. Compressor output at least 240 l/min. Recommended pressure for spray application of Stonemist is between 1.5 and 2.0 bars.

Stonemist should not be used on horizontal surfaces exposed to rain. The minimum slope of such surfaces should be at least 27°.

Stonemist may not be used directly on thermo-insulation boards or paper-gypsum boards.

Stonemist should not be applied to hot surfaces exposed to direct sunlight as well as under windy conditions.

Clean tools with water before they dry.

Maintenance

Even though Stonemist finishes demonstrate exceptional use parameters, their periodical washing is recommended depending on building location.