Technical Bulletin #2.17

MISTRAL finish coat

DESCRIPTION

- ADEX MISTRAL finish coat is a trowel-applied, factory-mixed architectural wall coating available in 300 standard colours as well as custom colours (upon request). Refer to the ADEX Texture Chart or www.adex.ca to view the wide variety of ADEX finish coats available.

USE

- MISTRAL finish coat provides a textured, coloured surface for exterior or interior applications.

CHEMISTRY

- 100% acrylic polymer.

PIGMENTATION

- Titanium dioxide and high quality colorants.

PACKAGING

- 19 litre plastic pail containing 30 kg (66 lbs) of product.

MIXING

- Thoroughly mix with a clean, rust-free electric drill and paddle mixer.
- A small quantity of clean, potable water may be added to the finish coat to adjust its viscosity.
- When adding an Adex TINT BOTTLE, follow these procedures:
  a) Check the TINT BOTTLE label to ensure it reads the same as the product (and base) it is being added to.
  b) Shake the bottle thoroughly and pour the contents into the corresponding full pail of Adex "white" base product.
  c) Fill the emptied bottle approximately half-full with clean water. Shake and add the rinsing to the pail. Repeat the rinsing process if necessary and thoroughly mix to a consistent color.
- Follow the same mixing procedures for each pail to ensure uniform color and consistency.

COVERAGE

- Approximately 13.4 m^2 to 14.9 m^2 (140 ft^2 to 160 ft^2) per pail.
- Coverage is approximate and varies based on the substrate, job conditions and the individual application techniques.

APPLICATION

- Using a clean, stainless steel trowel, apply a small amount of MISTRAL finish coat to a thickness slightly greater than the largest aggregate. Next, scrape the trowel back across the finish coat to create an even application the same thickness as the largest aggregate.
- After the finish coat has been trowelled, use a clean plastic or stainless steel float in a circular, or figure-8 motion to achieve the desired final texture. Always maintain a wet edge, finishing towards a corner, joint or architectural break in the wall.
- On larger wall surfaces, work in teams; one applying the finish coat and the other floating the final texture. Do not allow cold joints to occur in the middle of a wall.

Accelerated Weathering
ASTM D 822 (exposed 2,500 hours):
Pass.
Salt Spray Resistance
ASTM B 117 (exposed 300 hours):
Pass.
Freeze-Thaw Resistance
ASTM C-666, A (50 cycles):
No Deterioration.
Mildew Resistance
U.S. Military Standards 810E:
Pass.
Vapour Permeability
ASTM E96-95:
437 ng/Pa·s·m^2

Properties
Test Method
Result

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CLEAN UP

- Immediately wash tools with water while material is still wet. Hardened material will have to be removed physically.

CURING

- Approximately 24 hours under normal climatic conditions.
- Curing time varies according to the ambient and surface temperature, and the relative humidity. Final curing is achieved after 2 weeks.

STORAGE

- Protect material from direct sunlight, extreme heat and freezing temperatures.
- Store unused material in a container with a tight-fitting lid.

SHELF LIFE

- Minimum 12 months if properly stored in an airtight container.

LIMITATIONS

- Ambient and surface temperatures must be at or above 5 °C (41 °F) for a minimum of 24 hours.
- During installation, minimise the containers' exposure to extreme heat (temperatures over 32 °C (90 °F)).

RESTRICTIONS

- ADEX finish coat must not be applied onto horizontal exterior surfaces or onto surfaces directly in contact with moisture over prolonged periods.
- The minimum slope of the surface must be 6:12.
- Do not apply finish coat into sealant joints or onto surfaces to which caulking will be installed.
- ADEX finish coat must be installed on a substrate that has been approved by ADEX Systems Inc.

MAINTENANCE

- Please refer to our MAINTENANCE GUIDE bulletin.

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