

## DESCRIPTION

- ADEX CRYSTAL 100 series liquid coat is factory-mixed architectural wall coating that provides a colored surface with a metallic effect.
- ADEX CRYSTAL 300 series liquid coat is factory-mixed architectural wall coating that provides a colored surface lustrous sheen.

## USE

- CRYSTAL liquid coat is installed over an Adex finish coat such as Mistral, Monaco or Siena (see the adex.ca website for a complete list of finish coats available)
- For exterior and interior use.

## CHEMISTRY

- 100% acrylic polymer.

## PACKAGING

- 19 litre container.

## COVERAGE

- On Mistral Finish
  - Approximately 90 m<sup>2</sup> (970 ft<sup>2</sup>) per pail for the first coat.
  - Approximately 123 m<sup>2</sup> (1322 ft<sup>2</sup>) per pail for the second coat.
- On flat primed surface
  - Approximately 232 m<sup>2</sup> (2500 ft<sup>2</sup>) per pail for the first coat.
  - Approximately 163 m<sup>2</sup> (1750 ft<sup>2</sup>) per pail for the second coat.
- Coverage may vary based on the substrate, job conditions and the individual application techniques.

## SURFACE PREPARATION

- Surfaces must be clean, dry, and in good condition, without efflorescence, grease, oil, paint, liquid-sealer or other bond-inhibiting substances.
- Prior to application, remove all loose material and repair all surfaces that are damaged or show the risk of delamination.

- When cleaning surfaces, a TSP-based cleaning solution is recommended.
- Surface temperatures must not be below 5°C (41°F).
- All cement-based substrates must have a mandatory 1-month curing process before CRYSTAL liquid coat is applied.
- For ADEX CRYSTAL 100, a matching colour PRIMEX NG primer must be used if the substrate is of a different colour.

## APPLICATION

- Prior to installation, thoroughly agitate CRYSTAL or mix with a clean paddle mixer and electric drill. Periodically remix the product to avoid separation.
- CRYSTAL is applied using a paintbrush, roller, or an airless spray gun.
- A small amount of water can be added to adjust the viscosity when applied with a spray gun.
- A minimum of two coats of CRYSTAL is necessary. Allow each coat of CRYSTAL to properly dry between applications.
- **Important:** When rolling, the last roller strokes must all be done in the same direction to achieve a uniform finish; Top to bottom or bottom to top but not both.

### Vapour Permeability

ASTM E96-95:

400 ng/Pa·s·m<sup>2</sup> (7 perms)

### Accelerated Weathering

ASTM G-155

No damage effect after 2000 hours

- Properties
- Test Method
- Result

### CLEAN UP

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

### CURING

- CRYSTAL liquid coat is dry to the touch after 3 hours under normal climatic conditions [21°C (70°F) & 50% RH] and completely dry after 12 hours. The surface may remain slightly tacky until exposed to sunlight (ultraviolet light) which engages METALLEX's dirt pickup resistance.
- Drying time is dependent upon the ambient temperature, substrate temperature, and the relative humidity. Allow for increased drying times during cool and/or humid conditions.
- Protect from rain and freezing temperatures until fully dry.

### 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

- Do not apply over surfaces that are too hot or in direct contact with sunlight.
- 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

- 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.
- CRYSTAL liquid coat must be installed on a substrate that has been approved by ADEX Systems Inc.

### MAINTENANCE

- Please refer to our MAINTENANCE GUIDE bulletin.

This document contains current information on the product. It is only provided as a guide and is subject to modifications at any time without notice. ADEX Systems Inc. reserves the right to make any modification according to technological progress. Specialised designers, architects, engineers or other professionals that choose to make any use of this information bear the complete responsibility, whatever it be, direct or indirect, that could follow from such use. ADEX Systems Inc. does not bear any responsibility that could give way to damages, defaults, defects, deficiencies, prejudices, loss or decrease of profit, be they direct or indirect, resulting from such use of this information by specialised designers, architects, engineers or other professionals. Please refer to [www.adex.ca](http://www.adex.ca) for the latest version of this document.

August 2019