

DESCRIPTION

- ADEX SONORA finish is ultra-smooth two-coat (minimum) trowel-applied product used to achieve a smooth, flat wall surface. It is free-form, easily sanded, and has the ability to create unique appearances. The SONORA application is completed with a final coat of transparent sealer or Adex Liquid Coat

It is available in a large variety of standard colours as well as custom colours (upon request). Refer to the AdexTexture Chart or www.adex.ca to view the wide variety of Adex finish coats available.

USE

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

CHEMISTRY

- 100% acrylic polymer.

PIGMENTATION

- Titanium dioxide and high quality colorants.
- SONORA finish coat is only available in a 100-series base and can only be coloured to light and medium darkness colours; Adex colour numbers ending “-6” or lower. Combine layers of multiple colours for unique effects.
- To achieve dark colours, an additional layer of REVIFLEX or another Adex Liquid Coat is required.

PACKAGING

- 19 litre plastic pail containing 25 kg (55 lbs) of product.

COVERAGE

- SONORA primary coat: Approximately 22.3 m² to 30.6 m² (250 ft² to 320 ft²) per pail.
- SONORA second coat: Approximately 37.2 m² to 41.8 m² (400 ft² to 450 ft²) per pail.
- Coverages are approximate and based on a two-coat ultra-smooth application. SONORA finish coat is freeform and coverage will greatly 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 or other bond-inhibiting substances.
- Surface temperatures must not be below 5 °C (41 °F).
- ADEX EIFS: To improve the levelness of the wall, ADEX recommends one additional skim coat of ADEX BASECOAT to achieve a smooth surface with minimal trowel lines. Sand or rasp down any ridges in the BASECOAT prior to priming and application of the first coat of SONORA.
- Concrete or Stucco: Level and patch irregular surfaces with ADEX NIVELEX, followed by a skim coat of ADEX BASECOAT. If the substrate requires, embed a layer of ADEX STANDARD MESH into the base coat layer to reinforce the surface and improve crack resistance.
- Gypsum/Drywall: Board joints must be taped, and fasteners spotted with joint compound. The surface should be sanded to a minimum Level 3 (see ASTM C-840) or smoother finish.
- Adex recommends the use of PRIMEX NG (Non-Grit) coloured primer with all SONORA applications. PRIMEX NG enhances the workability and appearance of all finish coats and helps reduce suction of the substrate.

NOTE: To help eliminate trowel lines and imperfections when achieving a smooth application, substrate panel sizes should not exceed 2.3 m² (25 ft²) with no dimension longer than 1.5 metres (5 feet).

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.

APPLICATION

- SONORA finish coat can be applied with a clean, stainless steel trowel or texture sprayer. Final texture is achieved in a variety of ways using a number of different tools and application techniques. Mock-up walls are highly recommended and should be approved by the proper authorities.

NOTE: All applications of SONORA installed to achieve an ultra-smooth finish, require an additional topcoat of Adex Liquid Coat (ex: REVIFLEX, CRYSTAL, etc) or an appropriate transparent sealer.

■ When troweling to an Ultra-Smooth Finish:

- a) Apply an even coat of SONORA, approximately 0.8 mm (1/32") in thickness. Trowel smooth with minimal ridges and trowel lines. Allow to dry.
- b) Lightly sand away all high spots on the wall to create an even, smooth surface. When sanding, use a 100-to-220 grit sand paper. Wear proper protective equipment when sanding and removing imperfections. Brush away all construction dust from the surface of the wall.
- c) Apply a second, even coat of SONORA, approximately 0.8 mm (1/32") in thickness. Take extra care to create minimal ridges and trowel lines. Maintain a wet-edge, ensuring no cold joints occur. Allow to dry.
- d) Again, lightly sand away all high spots on the wall to create an even, smooth surface. Use a 100-to-220 grit sand paper. Wear proper protective equipment when sanding and removing imperfections. Brush away all construction dust from the surface of the wall.
- e) Apply a topcoat of Adex Liquid Coat overtop of Texture the SONORA finish coat using a trowel or putty knife.

Alternatively, the SONORA finish coat can be troweled smooth to create an "adobe" style finish. A second finish coat can be applied in a "wrist-drag" or "skip-trowel" fashion.

■ When Spraying:

- a) Trowel apply an initial layer of SONORA finish coat to ensure complete coverage prior to spraying. Apply an even coat, approximately 0.8 mm (1/32") in thickness. Trowel smooth with minimal ridges and trowel lines. Allow to dry.
- b) Lightly sand away all high spots on the wall to create an even, smooth surface. When sanding, use a 100-to-220 grit sand paper. Wear proper protective equipment when sanding and removing imperfections. Brush away all construction dust from the surface of the wall.
- c) Apply SONORA with a hand-held gravity-fed hopper-sprayer. SONORA finish coat creates a "stippled" or "popcorn" appearance when sprayed.

NOTE: All applications of SONORA installed to achieve an ultra-smooth finish, require an additional topcoat of Adex Liquid Coat (ex: REVIFLEX, CRYSTAL, etc) or an appropriate clear sealer.

■ When troweling to a Knockdown Finish:

- Follow "Spraying" instructions up to 'Step c)'.
d) Prior to the material drying, level the sprayed SONORA finish coat using a knockdown knife or trowel to create a flattened, two-tone, textured appearance.
e) Maintain a wet-edge, ensuring no cold joints occur. Allow to dry.

NOTE: Experiment using multiple colour combinations for a unique effect.

■ When Topcoating with Adex Liquid Coats:

Apply all liquid topcoats over ADEX SONORA after the material has dried for approximately 24 hours (under normal climatic conditions). Refer to the appropriate Adex Liquid Coat technical data sheet for installation instructions.

- a) Added mar resistance: Install two-coats of Adex REVIFLEX or appropriate sealer.

- b) Dark colors: Create dark colors with two-coats of REVIFLEX.
- c) Gloss appearance: Install two-coats of CRYSTAL (300 series) Liquid Coat (non-tinted).
- d) Metallic panel look: Refer to the Adex METALLEX Specification Sheet.
- Apply SONORA finish coat at a uniform thickness to ensure colour consistency.
- Always maintain a wet edge, finishing towards a corner, joint or architectural break in the wall. Do not allow cold joints to occur in the middle of a wall.
- Running a dry, stainless steel trowel over the surface of the SONORA finish coat as it nears being completely dry will create a 'burnished' mottled effect if desired.

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

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)).
- SONORA Finish Coat is not considered an abrasion or mar-resistant finish, and requires additional coating to increase durability (where desired)

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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