**Modern Chemical Industries, S.A.E.**
Paints · Coatings | Corniche Embaba, Al Warraq, Giza, Egypt | Established 1978

# SOLID STRUCTURE

Water-Based Acrylic Textured Exterior Coating — Solid Decorative Line

## PRODUCT DESCRIPTION

Solid Structure is a heavy-build, water-based acrylic textured coating for exterior and interior walls. Its thick, continuous film shields the substrate against driving rain, airborne salts, and persistent damp, which makes it particularly suited to coastal buildings and to below-grade spaces such as basements and semi-buried rooms. It is available in two finishes, Soft and Rough.

## KEY FEATURES

- Heavy-build textured film that protects the substrate beneath
- Strong performance on exposed exterior facades
- Suited to coastal environments and airborne salt exposure
- Resists persistent damp, making it suitable for basements and below-grade rooms
- Water-based acrylic formulation
- Available in Soft and Rough finishes

## RECOMMENDED USES

- Exterior facades, including coastal and high-exposure locations
- Outdoor concrete walls, plasterwork, masonry, and cement surfaces
- Basements, semi-buried rooms, and other below-grade spaces subject to humidity
- Interior wall surfaces

## SURFACE PREPARATION

Substrates must be thoroughly cleaned and free of dust, oil, grease, or other contaminants. All release agents must be completely removed. On chalky or dusty surfaces, brush off all loose particles using a stiff-bristle brush.

## TECHNICAL & PHYSICAL PROPERTIES

| Property | Value |
|---|---|
| Finish | Soft or Rough (2 finish options) |
| Color | Available according to the official color chart |
| Solids Content by Weight | 60% ± 1% |
| Specific Gravity | 1.625 g/cm³ |
| Theoretical Spreading Rate | 1.5 - 2 kg/m² |
| Thinning / Cleaning | Water |
| Shelf Life | 12 months in the original sealed container, away from direct sunlight and heat |

## APPLICATION GUIDELINES

| Parameter | Recommendation |
|---|---|
| Application Method | Plate or trowel |

## DRYING TIME

| Stage | Value |
|---|---|
| Touch Dry | 30 minutes |
| Full Cure | 24 hours |

*This coat is applied at a film thickness too heavy to be recoated — no recoat interval applies. Drying duration is influenced by ambient temperature, ventilation, film thickness, and the number of coats applied.*

## RECOMMENDED PAINT SYSTEM

- Primer / Base Coat: Trix Wall Sealer — 1 coat
- Finish Coat: Solid Structure — 1 coat

## STORAGE

Store in accordance with local and national regulations. Keep in a cool, well-ventilated space, shielded from heat and direct sunlight. Ensure containers remain tightly closed when not in use.

## HEALTH & SAFETY

- Observe all warning and precautionary labels displayed on the container.
- Ensure application takes place in a well-ventilated area.
- Avoid skin and eye contact. Wear overalls, gloves, and goggles where appropriate.
- In case of eye contact, flush immediately with plenty of clean running water and seek prompt medical attention.
- Keep out of reach of children.
- Do not empty into drains or watercourses. Dispose of waste in accordance with local regulations.
- A Safety Data Sheet is available for this product and should be consulted for full handling and disposal information.

The information in this data sheet is given to the best of our knowledge, based on laboratory testing and practical experience. However, as the product is often used under conditions beyond our control, we cannot guarantee anything but the quality of the product itself. We reserve the right to change the given data without notice.