



## KURSEAL 38 AIM

### ACRYLIC CONCRETE CURING AND SEALING COMPOUND

#### ASTM C-1315 Type 1, Class B • HIGH GLOSS

VOC Content: 341 gr./liter or 2.84#/gal – Cure

#### DESCRIPTION

**KURSEAL 38 AIM** a high gloss product, is a 100% styrene acrylic copolymer based curing, sealing, hardening, dustproofing and water repellent compound. When applied, it quickly dries to a hard clear high gloss film that is tough, chemical resistant, and long lasting. The product is ideal for use on floors, walls, architectural sections and as a base coat for a variety of top coatings. **KURSEAL 38 AIM** forms a clear film that provides superior shine that enhances the appearance of architectural concrete. **KURSEAL 38 AIM** is formulated from customized styrene acrylic resins manufactured by Vexcon Chemicals especially for use on cementitious surfaces. The formulation contains no modifiers or extenders that can cause cure and seal to yellow, blush or look non-glossy. **KURSEAL 38 AIM** provides an excellent base for most adhesives, paints and a variety of topcoats. The product acts as a prime coat considerably improving adhesion to and preventing lifting of paint, tile adhesives, elastomeric coatings and other toppings. These products meet the requirements of the Tile Adhesion Test of the Resilient Tile Institute and the Tile Adhesion Test Requirements of ASTM-C-1315.

#### BENEFITS

- Meets EPA & AIM/OTC VOC regulations
- Provides for complete development of concrete's wear resistance and strength properties
- Apply to damp surfaces without whitening or loss of adhesion
- Seals and hardens surface reducing clean up and maintenance
- Can be applied to 20°F.
- Excellent protection against staining, attack by alkali, oil, cleaners and common industrial chemicals
- Prevents efflorescence, dusting and spalling
- Low moisture transmission rate, breathable
- Quick drying
- Excellent base for adhesives
- Re-coatable and paintable
- High Gloss

#### APPLICATION

- Product is supplied at the proper consistency for application and dilution will reduce efficiency and gloss.
- Thoroughly mix before applying.
- To improve non-slip profile use **Certi-Vex® Grip**.
- Note; product forms a surface film quickly depending on temperature, humidity and wind conditions therefore, for best results follow all equipment and application instructions carefully.
- Review Application Tips for High Solid Sealers, Vexcon TN192 for more detailed application information.

#### • **If applying by sprayer:**

- Apply by low-pressure high solids commercial grade solvent resistant sprayer with neoprene fittings. (Do not use garden or form oil sprayers).
- The sprayer must be clean and dry. If cleaning with solvents is required, use **Certi-Vex Equipment Cleaner**. Clean sprayer as directed between applications to ensure best results.
- If spraying and back rolling, best application is to spray enough material that a second person can immediately back roll following the spray applicator. Follow roller instructions below. Caution; do not delay the back roll as the area will dry quickly.

#### • **If applying by roller:**

- For best results use Vexcon's **EvenFlow Applicator** or ¼ " nap mohair roller.
- Do not dip and roll or pour and spread
- Do not over-work material, apply in a single lapping motion. Do not roll area back and forth, this can cause the film to break and product to become stringy.
- Do not run roller dry, keep a wet edge and do sections small enough to roll only once over wet material.
- Do not roll over dry material this can cause the product to become stringy. To aid in keeping roller wet and fluid, keep a roller pan filled with **Certi-Vex Equipment Cleaner**.
- Over rolling or using incorrect rollers will cause bubbles to form in the coating. If this occurs on final coat corrective procedure is to apply a light coat of **Certi Vex Equipment Cleaner** over the area. This will recast (heel) the coating and eliminate the bubbles. If this occurs on first coat, follow corrective procedure above then apply final coat.
- Material should not be allowed to puddle.
- Do not allow sealed area to become wet with water until dry. See dry times.
- Protect all surrounding areas from over spray.
- The sealer can be applied to damp surfaces, however, do not apply over puddled water.
- A uniform appearance requires even coats leaving no gaps. Some areas may be more porous than others; these areas may require additional coats to even out the appearance. Caution: Do not over-apply material. See special notes section.

## CURING AND SEALING NEW CONCRETE

- Apply KURSEAL38 AIM to still damp freshly finished concrete as soon as the surface cannot be marred, and water sheen disappears. Do not apply over freestanding water.
- If application is delayed, concrete must be kept wet (preferably by water spray mist) until product can be applied.
- If concrete is allowed to dry use **Certi-Vex® Concrete Etch & Efflorescence Remover** to clean and prepare the surface.
- Apply first coat at 300-400 sq.ft/gal (7.5 m<sup>2</sup>/L). A second coat is recommended for long term durability. See Second Coat section.

## SURFACE PREPARATION EXISTING CONCRETE

The concrete surface must be properly repaired, structurally sound and cleaned. Use Vexcon's surface prep and cleaning products to properly clean the surface prior to application.

- To remove coatings such as epoxy's, sealers and curing compounds use **Certi-Vex Concrete Stripper**.
- The concrete should be cleaned with **Certi-Vex Super Degreaser & Cleaner** to remove any dust, dirt or debris and allowed to dry for a minimum of 24 hours after cleaning.
- To remove efflorescence or to etch the surface for improved material penetration use **Certi-Vex Etch & Efflorescence Remover**.
- There should be no freestanding water.
- Large cracks should be repaired using **Powercoat Epoxy Joint Sealant**.

## SEALING EXISTING CONCRETE

- Prior to application a test area must be performed to determine proper application rate and required surface preparation.
- To determine that the concrete is penetrable perform a water absorbency test by applying water to a representative portion of the prepared concrete floor. A properly prepared surface when dry will immediately absorb clean water without any surface beading effects.
- If required use **Certi-Vex Etch & Efflorescence Remover** to improve sealer penetration. Application to still damp surfaces is acceptable however free standing water must be removed.
- Apply KURSEAL38 at 400-500 sq.ft. /gal (10-12.5 m<sup>2</sup>/L) on hard non-porous floors and 250-300 sq.ft. /gal (6.2-7.5 m<sup>2</sup>/L) on porous floors.

## SECOND COAT

Apply after 1<sup>st</sup> coat has dried at 500-600 sq.ft. /gal (12.5-15 m<sup>2</sup>/L).

## SPECIFICATIONS/COMPLIANCE

- Meets USEPA AIM and OTC VOC regulations
  - ASTM C 1315 Type 1, Class B
  - AASHTO M-148
  - ASTM C 309 Type 1 Class A&B
  - Meets ADA and ASTM D 2047 non-slip
  - USDA approved
  - Federal specification TTC0800A (GSA FSS) Type 1
  - VOC: 341 gr./liter or 2.84#/gal – Cure
- Test reports are available upon request

## TOPCOATS AND ADHESIVES

KURSEAL38 AIM cured concrete can be topcoated with a variety of paints, adhesives and mastics a minimum of 28 days after application. It is strongly suggested that a test area be applied prior to coating the entire surface, since products can adhere to concrete in varying degrees. Check with manufacturer of the topcoat for any precautionary and compatibility information.

## MAINTENANCE

Spills should be removed promptly and cleaned. Sealed areas should be cleaned regularly, use **Certi-Vex Super Degreaser & Cleaner** for all cleaning requirements. Periodic reapplication may be required as the sealer wears off.

## SPECIAL NOTES

- To assist in application note, 200 sq.ft. /gallon is equal to the thickness of a sheet of paper
- Will tend to show rubber burns or tire marks
- Will cause bleeding of bituminous surfaces
- May enhance mottling of colored surfaces
- Not gasoline resistant, use **Powercoat® Epoxy** products
- Application of more than two coats is not recommended
- Over application may lead to surface discoloration and improper sealer performance
- Do not apply more material per square foot than specified.
- Can apply when surface temperatures are 20° F - 85° F, when below or above these ranges review Vexcon's Cold and Hot Weather Application Guides
- Shelf Life: If properly stored in its original sealed container, three years from date of manufacture. Rotate your stock
- For use by experienced applicators

## PACKAGING

KURSEAL38 AIM is available in 55-gallon drums and 5-gallon pails.

## VITAL STATISTICS

- Flash Point (TCC): 4.4° F
- TCC
- Boiling Point (706 mmHg): 98° C
- Autoignition Temp: 528° C ( 964° F)
- Extinguishing Media: Foam, dry chemical, CO2, Water Fog.

## PHYSICAL PROPERTIES

- Wet appearance Water White
- Dry appearance Clear
- Dry to touch 30 minutes
- Dry - tack free 60 minutes
- Foot traffic 24 hours
- Vehicle traffic 72 hours
- Solids 35% minimum

Note: All calculations based upon 68-77° F (20-25° c). Lower temperatures and relative humidity will extend dry times.

## HEALTH AND SAFETY

### CAUTION FLAMMABLE LIQUID

- Resin solution, flammable liquid, red label
- Use of respirators is mandatory when using this product in confined areas.
- Use only with adequate ventilation.
- If swallowed, do not induce vomiting.
- Use of gloves, goggles and other protective clothing is advised when using this product.