TG TOUGHGLOSS™

PRODUCT DATA SHEET
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Product Description

ToughGloss is a water-based, pure acrylic sealer for concrete with excellent blush resistance and total resistance to yellowing from UV exposure. This sealer imparts an attractive sheen and protection to all concrete surfaces, and is especially suited for decorative concrete.

ToughGloss is formulated to be compliant with all VOC regulations in the United States and Canada, and its low odor makes it usable indoors and outside. ToughGloss dries to a clear, medium-gloss finish, but a higher gloss can be achieved with additional coats.

Features and Benefits

- Non-yellowing, medium-gloss sealer provides protection and improved appearence to concrete.
- Low odor
- Provides excellent recoatability.
- Excellent abrasion & blush resistance
- Is able to be applied over previous coats of sealers - water based and solvent based sealers.
- ToughGloss complies with all United States EPA and local VOC regulations, including OTC, LADCO, Maricopa County, and California (CARB and SCAQMD).

Primary Applications

- Works great on concrete driveways, sidewalks, and floors.
- Excellent on stamped, stenciled, colored, and acid stained concrete.
- Concrete pavers and precast units.
- Cultured stone and Terrazzo.

Coverage

Application ft2/gal (m2/L)	First Coat	Second Coat (Optional)
Curing and Sealing Fresh Concrete	300 to 400 (7.4 to 9.8)	300 to 400 (7.4 to 9.8)
Sealing/Re-sealing Exsisting Concrete	300 to 400 (7.4 to 9.8)	300 to 400 (7.4 to 9.8)

NOTE: Coverage rates are approximate. Actual coverage depends on the temperature, texture, and/or substrate porosity. Avoid excessive build-up of sealer, as this may cause discoloration and/or poor product performance.

PACKAGING

- 5 Gallon Pail

TECHNICAL INFO

Drying Time: Less than 1 hour
Recoat Time: 4 to 24 hours
Foot Traffic: 4 to 6 hours
Wheel Traffic: 6 to 10 hours
VOC Content: 93 g/L
Solid Content: 30% by weight

Moisture loss (ASTM C156):
Less than 0.55Kg/m2
Meets ASTM C309, Type 1, Classes A & B
Meets AASHTO Specifications M 148, Type 1, Classes A & B

Appearence: ToughGloss is a milky white liquid in the container. After application and drying, ToughGloss will slightly darken the concrete, and will have a medium-gloss finish. A small test area is strongly recommended to confirm appearences prior to beginning full application. Lower concrete temperatures, lowr ambient temperatures, higher relative humidity, or a combination of the above will extend drying times.

Directions For Use

Surface Preparation: For existing concrete, the surface must be clean of any and all surface contaminants, and free of standing water. If applying ToughGloss to previously sealed concrete, call QuestChemicals to check compatibility. IF the chemical makeup of the previous sealer is unknown, a small test section is strongly recommended to check compatibility between ToughGloss and the old sealer. When applying ToughGloss to freshly poured concrete as a cure and seal, the surface bleed water must be allowed to evaporate prior to applying ToughGloss, and the surface must be hard enough as to not be marred during product application.

Mixing: ToughGloss requires no pre-blending prior to use.

Application: Apply at the recommended coverage rate using an industrial pump-up sprayer with a high-solids nozzle and a short-nap roller. Apply sealer uniformly to the concrete using sprayer, then lightly backroll the sealer to ensure even coverage. Maintain a “wet edge” while spraying, and backroll over sprayer lap marks for best appearance. ToughGloss may be applied by roller alone, but extra care must be taken to ensure that the sealer is applied uniformly, and at the proper coverage rate. Re-distribute any puddles or runs before ToughGloss dries. Protect freshly coated surfaces from rain or heavy fog for a minimum of 24 hours after application.

Application of ToughGloss too heavily, in too many successive coats, or in multiple coats from re-sealing too frequently can cause failure to dry completely, bubbling, whitening, peeling, flaking, and ultimately, failure of the product. To prevent over-application, it is good to practice to measure the area to be sealed and then measure the corresponding volume of product required based on the coverage rate. In addition, applying ToughGloss in hot weather/direct sunlight or onto a hot surface can cause bubbling.

Clean Up

Tools and equipment may be cleaned with warm, soapy water immediately following use. Clean drips and overspray with warm, soapy water while still wet. Run warm, soapy water through spray equipment to remove residual materials and prevent clogging of nozzle in future use. If not cleaned immediately, the sealer may leave an unwanted residue on painted surfaces, glass, or wood.

Removal

Hardened/dried ToughGloss may be removed with a strong solvent such as xylene/xylol or MEK, always following the package directions/warning labels. Product can also be removed by sand blasting or by other mechanical means.

Precautions and Limitations

- Store ToughGloss indoors, protected from moisture, at temperatures between 50F and 90F (10C and 32C)
- Surface and ambient temperature during coating applications should be between 45F and 95F (7C and 35C)
- Material temperatures should be at least 50F (10C) and rising.
- Do not apply ToughGloss to frost-filled or frozen substrates. Do not apply ToughGloss in hot direct sunlight. Do not apply ToughGloss over bleed water or free-standing water. Do not apply ToughGloss if rain or heavy fod is expected within 24 hours of application. Do not thin. ToughGloss is not resistant to gasoline or other automotive fluid.
- ToughGloss will enhance color and darken substrates
- Excessive build up on ToughGloss or puddling of the product during application can lead to failure to dry completely, bubbling, whitening, peeling and/or flaking of the sealer, and discoloration of the concrete.
- Applying thicker than recommended, applying in cool/cold weather, prolonged exposure to moisture (humidity, rain) or lack of air flow may result in sealer remaining soft/wet/tacking for longer than the times found on this data sheet.
- When floor covering adhesives will be used following application, test area is recommended to ensure compatibility.
- Application of a test area is strongly recommended to confirm final appearance and texture of the product with the end-user. In all cases, consult the Product Safety Data Sheet before use.

Quest Chemicals™

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