



MorningStar™

Product Advantages

MorningStar is a High Performance Water-Reducible Urethane that has been designed to protect your substrate in some of the most demanding environments. It may be applied to a variety of substrates, including wood and properly prepared concrete.

MorningStar Urethane is an ideal choice to use where a durable high gloss finish is desired, such as warehouses, showrooms, hallways, and processing plant floors. When applying MorningStar Urethane over concrete, it is recommended to first apply one coat of MoistSeal Epoxy to the properly prepared surface. Refer to the MoistSeal Technical Data Sheet for more details.

- High Gloss
- Chemical resistant
- 3+ hour pot-life
- Custom Colors Available
- Grit additive available
- Water-Reducible
- Low odor
- Abrasion Resistant
- Roller Application
- Clear topcoat available
- Low VOC
- Water Clean-up

Product Characteristics

Gloss	80°+ @ 60°angle
Dry Time	*When applied as recommended*
	Light Touch: 4 hours
	Traffic: 6 hours
	Full Cure: 7 days
Mar Resistance	Excellent
SCOF:	>0.65
Pencil Hardness	3H+
Volume Solids	36 ± 2%
VOC	Less than 250g/l, catalyzed and reduced
Recommended WFT	4-5 mils
Induction Time	None
Pot-Life	3+ hours
Coverage per kit	350-400 SF/gallon

Packaging

- Packaged as: 1-unit kits
- CF-0583 Mission Gray
 - CF-0328 Middle Gray
 - CF-0587 Sand
 - CF-0327 Middle Earth

MorningStar Water-Based Urethane

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Surface Preparation

Before application, consult with your factory authorized Sales Representative for the best surface preparation recommendation. The surface must be properly cleaned and prepared. For use directly to concrete, it is recommended to 'properly profile' the surface. Preparation for concrete, are as follows:

1. Remove any grease or oil with a Heavy-Duty degreaser solution. Reapply as needed to remove all oil contaminants.
2. Muriatic Acid or phosphoric acid etch the surface. Surface should resemble a '100 grit' sandpaper feel. Also, the acid/water etch (2:1 ratio) should remove remaining 'Cure & Seal' type product remaining on the surface.
3. Rinse several times to remove any acid residue from the surface. It is very important all residue is removed to ensure proper adhesion. Normally 3-4 clean water rinses are necessary.
4. Remove all 'pooled' or standing water.
5. While the concrete is still damp, apply, if desired, a uniform coat of MoistSeal Epoxy to prime and improve the tensile strength of the concrete. Allow to dry 16 hours, under normal drying conditions, before applying MorningStar.
6. If applying only Morningstar direct to the surface, allow concrete to dry a minimum of 12 hours or until concrete is completely dry. Concrete dry time may vary, depending upon porosity of the surface and/or atmospheric conditions.

Mixing & Application Instructions

Part A: Gallon Container

Part B: CF-0353 —16 oz Easy Pour Can

Part C: Reduce with 16 oz. of Standard Reducer (CF-0348)

1. Premix/Stir Part A before adding Part B—this will mix in any in-can settling that may have occurred after packaging.
2. Pour Part B into Part A and mix thoroughly, ideally with a stir stick, for a minimum of 2 to 3 minutes. Continually scrape sides and bottom of container to insure that both components are completely blended together.
3. NO INDUCTION—Reduce immediately with water or Standard Reducer, as specified above.
4. Use a 3/8" to 1/2" high quality roller cover or a premium polyester paint brush for application.
5. Apply at 4 to 6 mils wet film thickness, over 6 mils wet could result in out-gassing and foaming in the dried coating.
6. Three (3) Hour Pot Life: Do not apply after 3 hours— MorningStar will not cure correctly with the possibility of low gloss, out gassing, poor abrasion resistance and poor chemical resistance.
7. Wear appropriate protective clothing such as: See your supervisor for details:
 - Protective Eye Wear; Gloves; Respirator when circumstances dictate
9. Do not apply in excessive temperatures over 80° or humidity above 80%.
10. Do not apply at a temperature below 55°.
11. Substrate and atmospheric temperatures below 70° retard dry times and slow down the cure time; please plan accordingly.
12. Clean up with cold soapy water.