

TYPE	FILM THICKNESS	APPLICATION METHOD	THINNER	CLEAN UP		DRY TIME	
					TACK	RECOAT	FULL CURE
Clear, Inorganic, Reacted Siloxane	Wet 38.5-50 microns (1.5 - 2 mils) Dry 8 - 12 microns	Spray, then Back-Roll or Pad	MicroKleen™ AD1-103	MicroKleen™ AD1-919	1 Hours (average)	4 Hours (recoat)	5 Days (75° F, 50% RH)

DESCRIPTION: MicroGuard® AD702 base coat is primarily designed as a quick sealer for interior polished concrete or concrete terrazzo floors prior to the application of MicroGuard® AD1000 All-In-One Hard Surface Finish (formerly AD00/702/708) or AD2000-QD Quick Dry, All-In-One Hard Surface Finish (replaces AD708QD). It may also be used as a sealer for quarry tile, slate and in certain instances as a sealer for ceramic or porcelain hard tile preliminary to the installation of MicroGuard® AD1000 or AD2000-QD. AD702 is the preferred sealer for bare vertical concrete surfaces when a MicroGuard® finish is needed for anti-graffiti mitigation.

- **Interior Concrete** MicroGuard® AD702 Base Coat is primarily designed for application onto properly prepared porous hard surface floors, interior concrete/concrete terrazzo floors that have been polished up to 800, or dense vertical exterior concrete. Its fast 4 hour recoat-ability feature allows for finishing coats to be applied in the same day.
- **Concrete Terrazzo**
- **Certain Hard Tile**
- **Slate & Décor Stone**

SURFACE PREPARATION: Bare concrete must have aged at least 28 days before coating and must be clean, dry and free from dirt, oil, grease, curing or release agents, laitance, efflorescence, adhesives, mildew or other contaminants that could negatively affect adhesion.

Horizontal Concrete and Porous Hard Surfaces

1. Diamond hone & polish the concrete slab or the concrete terrazzo floor to a 400 - 800 level. Extract grind slurry at each level.
2. Clean the surface by liberally applying MicroKleen™ PLC-1 Industrial Cleaner & Degreaser, diluted 1:1 with clean, hot water directly onto the surface. Using a swing machine and black or green pad or a nylo-grit brush, mechanically agitate the cleaning solution. Pick up residues with rinse & vacuum extraction equipment. If necessary, repeat the cleaning process until all contaminants have been removed. Check surface pH to establish a 6 to 8 range before product installation. Neutralize with MicroKleen™ PCL-AN Acid Cleaner/Neutralizer per label instructions, if necessary.
3. Allow the surface to dry. Use a moisture meter to ensure moisture content is 40% or less before Base Coat installation.

Vertical Concrete and Porous Hard Surfaces

1. Most exterior vertical concrete can be sufficiently cleaned by high pressure power washing. Use soap injection where needed. Rinse thoroughly and allow surface to air dry (40% moisture or less).
2. If powder efflorescence is present, flush concrete with MicroKleen™ PLC-AN Acid Cleaner/Neutralizer, per label instructions, then resume pressure washing.

*Allow the surface to dry completely before product installation. Use a moisture meter to ensure moisture content is 40% or less.

MIXING INSTRUCTIONS: MicroGuard® AD702 is a three-component material and must be properly mixed before use. AD702 is packaged, in kit form, with separate (short filled) containers for Components **A**, **B** & **C**.

MS5 -1 Product Mixer Instructions (large quantities):

1. Pour Component **A** into a clean, white HDPE 5-gallon plastic bucket, then, pour in Component **B**.
2. Using the Adsil MS5-1 Product Mixer with Timer, blend the **A** & **B** Components for 20 minutes. Keep the bucket covered with a cut 'V' notched lid during mixing.
3. Next, add the Component **C** into the admixture of the **A** & **B** Components. Cover and blend for 15 additional minutes. You will notice an exothermic heat reaction during mixing. This is normal.
4. Cover the bucket with a full lid and set aside in a location away from heat sources or direct sunlight. Allow the mixed material to chemically induct for 30 minutes before application. The usable pot life of mixed material is up to 4 hours (after induction time has passed) when stored between 60° & 85° F.

MS-S Magnetic Mixer Instructions (small quantities):

1. Using an Adsil approved mixer pour Component **B** into Component **A** bottle.
2. Drop in the magnetic stirrer, place the cap loosely on the container and mix for 20 minutes.
3. Next, add the Component **C** into the admixture of the **A** & **B** Components. Cover and blend for 15 additional minutes. You will notice an exothermic heat reaction during mixing. This is normal.
4. Remove the mixing stirrer, re-cap and seal the container and set aside in a location away from heat sources or direct sunlight. Allow the mixed material to chemically induct for 30 minutes before application. The usable pot life of mixed material is up to 4 hours (after induction time has passed) when stored between 60° & 85° F.

MICROGUARD®

AD702 Base Coat Sealer

APPLICATION: AD702 is best applied by spray application, or spray then back-roll or pad method.

- **Spraying & Back-Padding** – Using a pump-up sprayer, apply a thin and even film deposit, overlapping each pass, then, back-pull using a quality pad. Use long, continuous strokes and feather edges.
- **Spraying & Back-Rolling** – Using a pump-up sprayer, apply a thin and even film deposit, overlapping each pass, then back-roll using a top-quality, short nap mohair or lambs' wool roller cover. Avoid over rolling and avoid working back into partially "set" material. Always maintain a working wet line.

*When MicroGuard® AD1000 or AD2000 is used as a finishing coat over MicroGuard® AD702 Base Coat, allow a minimum of 4 hours dry time of the base coat before finish-coating. No sanding of the MicroGuard® AD702 is required. DO NOT wipe with IPA prior to finish-coating.

PRODUCT YIELD: The square foot per gallon yield of AD702 base coat varies with substrate porosity.

- When treating 400 to 800 level diamond-polished and densified concrete or hard tile the yield can be as high as 800+ ft² per gallon.
- When treating porous, brushed or pitted concrete, the yield can range from 400 to 600 ft² per gallon. Multiple coats of AD702 may be needed to seal porous concrete until uniform gloss holdout is achieved and before installation of a MicroGuard® finish.

THINNING:

After chemical induction, but before installing MicroGuard® AD1000 it may be desirable to add MicroKleen™ AD1-103 Retarder Solvent. Add solvent as needed to promote better flow and leveling properties

CURING INFORMATION:

MicroGuard® AD702 cures by a cross-linking chemical reaction and may be recoated or top coated in 4 hours. A full cure can take 5 days (75° F & 50% RH).

- **MicroGuard® AD702 does not cure when air, material or surface temperatures are below 60° F. Do not mix or apply when air or surface temperatures are below, or will be below 60° F throughout the curing cycle.**

CLEAN UP:

- Application tools and spray equipment should be cleaned using MicroKleen™ AD1-919 Spray & Equipment Cleaner (IPA).
- Clean up drips, spills and over spray by saturating a cloth with MicroKleen™ AD1-919 and wiping the affected area before the coating dries to touch.
- Dispose of alcohol saturated cloths in a safe manner.

Adsil Cares:

Please handle all chemicals safely and use the proper personal protective equipment (PPE).

Adsil

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