



Durasein

Surfacing Adhesive

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Seam Adhesive_0626

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Product Overview & Description

Durasein Surfacing Adhesive is a two-part methacrylate-based adhesive that produces strong, durable bonds for Durasein solid surfacing materials. Specially formulated for professional use, it is intended for seaming countertops, backsplashes, wall panels, integral sinks and bowls in commercial and residential settings. Durasein Surfacing Adhesive is available in a variety of colors, which are color-coordinated with Durasein surfacing materials. Durasein Surfacing Adhesive is not intended for bonding dissimilar materials unless specifically approved by Durasein.

Durasein Surfacing Adhesive does not contain crystalline silica as an ingredient, is formaldehyde-free, BPA-free, is free of nanoparticles, and does not contain intentionally added per- and polyfluoroalkyl substances (PFAS), including PFOA and PFOS.

Durasein Surfacing Adhesive meets the Low VOC emission limit requirements of the South Coast Air Quality Management District Rule 1168. Durasein Surfacing Adhesive has a Total VOC of 145 g/L in accordance with SCAQMD Rule 1168 per ASTM D1475-13 (202), ASTM D2369-24, and ASTM E1064-24. Durasein Surfacing Adhesive is UL Environment GREENGUARD and GREENGUARD Gold Certified. Durasein Surfacing Adhesive is a low-emitting material that will not negatively impact indoor air quality.

Packaging

Durasein Surfacing Adhesive is pre-measured in a 250ml cartridge that fits most hand-held and pneumatic dispensing equipment available on the market. Refer to the dispenser manufacturer for guidelines for use. Its 10:1 mix ratio delivers the right proportion and provides a uniform cure and bond strength.

Dispensing

Allow the cartridge to sit upright for ½ hour before using it to allow air to rise to the top and escape. Keeping the cartridge upright, place it in the gun and gently squeeze until both resin and catalyst exit the cartridge.

Place the mixing tip on the cartridge and squeeze until a small amount of mixed adhesive exits the tip. The adhesive is now ready to use. Use adhesive in a well-ventilated room.

Clean the solid surface materials to be seamed so they are free of dust and other debris. Ensure components for seaming are positioned, and adhesive application occurs within the working time. Leave undisturbed until fixture time is reached. One cartridge dispenses approximately 40 feet of ¼" bead of adhesive.

Storage and Handling

Review the product Safety Data Sheet for hazard and precautionary information. Durasein Surfacing Adhesive is flammable. Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking while handling or near the product. For flammable material storage, follow local regulations.

The recommended storage temperature range for Durasein Surfacing Adhesive cartridges is 10-21 °C (50-70 °F) and should not exceed 25 °C (77 °F).

While short-term exposure to freezing temperature 0 °C (32 °F) (sub-zero temperature) is acceptable (transported in a truck overnight, for example), it is not recommended for long-term storage.

For long-term storage, keep cartridges in a cool, dry setting away from direct sunlight.

For best results, store cartridges on their sides. Store in a well-ventilated place. Keep container tightly closed. The shelf life of unopened cartridges, when properly stored, is 18 months from the date of manufacture. Long-term storage of the adhesive at elevated temperatures will shorten its shelf life.

Adhesive at below 18 °C (60 °F) must be brought to standard room temperature before use, as cold adhesive will react but cure slowly, and fixture time will increase. When the adhesive temperature is above 25 °C (77 °F), the adhesive sets more quickly, reducing both working and fixture times. Durasein Surfacing Adhesive is optimized for use at room temperature.

Use caution when transporting adhesives in vehicles due to potential elevated temperatures. Storage, transportation, and disposal of Durasein Surfacing Adhesive must be done in accordance with applicable regulations. Do not incinerate closed adhesive containers.

Specification Data

Viscosity (Adhesive)	30,000-45,000 cps
Viscosity (Activator)	8,000-15,000 cps
Density	1.1 – 1.25
Working Time	8 – 15 minutes
Fixture Time	15 – 20 minutes
Flexural Bond Strength	4,500 – 6,000 PSI
Mix Ratio Volume	10:1

Reference Documents

Seam Adhesive
Approved Solvents for Surface Preparation of Durasein Solid Surface During Fabrication

Reference Standard

SCAQMD Rule 1168. ADHESIVE AND SEALANT APPLICATIONS

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