Join.It
SURFACING ADHESIVE

PRINCETON CHEMICAL COMPANY

Technical Data Sheet

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PRODUCT OVERVIEW & DESCRIPTION

Join.It ZILCH Adhesive is a methacrylate-based adhesive that produces strong, durable bonds for solid surfaces, quartz, natural stones, ceramic & sintered materials and a wide range of other surfaces. Specially formulated for professional use, it is intended for seaming countertops, backsplashes, wall panels, integral sinks and bowls in commercial and residential settings.

The adhesive is available in a variety of colors matched to surface sheets from industry suppliers.

PACKAGING

Join.It bonding adhesive is pre-measured in 250ml cartridge that fits most hand-held and pneumatic dispensing equipment available on the market. Refer to dispenser manufacturer for guidelines of 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.

Clean surface materials to be seamed 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

Join.It adhesive is flammable. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

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

For best results, store cartridges on their sides. For long term storage, keep cartridges in a cool, dry setting away from direct sunlight. Store in a well-ventilated place. Keep container tightly closed. Shelf life of unopened cartridges, when properly stored, is 18 months from date of manufacture.

Review the product Safety Data Sheet for hazard and precautionary information.

SPECIFICATION DATA

Viscosity (Adhesive)	30000-45000 cps
Viscosity (Activator)	8000 – 15000 cps
Density	1.1 – 1.25
Working Time	8 – 15 minutes
Fixture Time	15 -20 minutes
Flexural Bond Strength	4500 – 6000 PSI
Mix Ratio Volume	10:1

CONTACT INFO

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