

SUBSTRATE PREPARATION INSTRUCTION

Cem-Kote + Gem-Crete (some products)

Cem-Kote Flex ST, Cem-Kote Flex Plus & Cem-Kote Flex CR
Cem-Kote CW Plus & Cem-Kote Barrier Coat 100
Gem-Crete TO & Gem-Crete TWM

Restoration

Use a min. 3,500 psi (241 bars) high pressure water (with sand in nozzle), or min. 5,000 psi (345 bars) high pressure water alone.

New Construction

Min. 3,500 psi (241 bars)

Gem-Crete HDO

Restoration

Remove at least 1/4" (6 mm) of concrete, using scarifier. Clean the surface using a min. 3,500 psi (241 bars) high pressure water (with sand in nozzle), or min. 5,000 psi (345 bars) high pressure water alone.

New construction

Shotblast, followed with min. 3,500 psi (241 bars) high pressure water

Gem-Cote EP (all epoxy coatings)

Restoration and New Construction

Shotblast and clean up dust using vacuum

Gem-Cote WA & WUA + Gem-Seal (floor coatings)

Restoration

Remove the existing coatings which are loose, using fine shotblast, followed by an Industrial Floor Washer.

New Construction

Acid etch, followed by a thorough water wash, or industrial floor washing treatment.

Spray-Con & Fibre-Patch

Depending on degree of contamination, or deterioration, use a min. 3,500 psi (241 bars) high pressure water (with sand in nozzle), or min. 5,000 psi (345 bars) high pressure water with rotating head. Dry sandblast can also be used, where allowed.

Sure-Flo

Sure-Flo ST & Sure-Flo Plus
Sure-Flo Concentrate
Sure-Flo FT 100

Restoration

Use Primer # 410. Excessive contamination must be removed using shotblast. Waterborne floor paints must be removed (contact Gemite Technical Service for advice prior to proceeding).

New construction

Primer # 410

Tuff-Cote + Tuff-Flex + Rain-Shield Stain

Restoration

If painted, use 3,500 psi (241 bars) high pressure water, with rotating head to remove any loose paint. Primer # 300 should always be used, prior to the application of Tuff-Flex, Tuff-Coat, or Rain-Shield Stain.

New construction

Use a min. 3,500 psi (241 bars).
Primer # 300 should always be used, prior to the application of the wall coating.

Gem-Gard Clear + Rain-Shield Clear

Restoration or New Construction

Usually no surface preparation is needed.
Contact Gemite Technical Service if the surfaces have been previously treated.

Notes:

1. The above procedures cover surface preparation required for most of Gemite materials, and projects. For surfaces or products, not listed above, please contact Gemite Technical service prior to bid, or start of work on specific project.
2. A special procedure is needed for cleaning oil contaminated surfaces - please contact Gemite Technical Service.
3. Contact Gemite Technical Service to discuss the most optimum surface preparation for a Concrete Restoration project.
4. *A Bond Test should always be carried out to verify that the Surface Preparation used resulted in a surface suitable for application of Gemite materials.*

Gemite Technical Service - Toll Free 1-888-4-Gemite (443-6483) or (905) 672-2020