

Surface Preparation Quick Reference

Supreme XTreme | JFB Hart Coatings

Proper surface prep is the single most important factor in coating performance. The surface must be clean, dry, and free of contaminants before applying Supreme XTreme.

CONCRETE & MASONRY

- Surface must be clean, dry, and free of oil, grease, dust, laitance, and curing compounds.
- New concrete: wait at least 28 days before coating to allow full cure.
- Test for moisture. Visible damp spots or white salt deposits = do not coat yet.
- Remove laitance by acid etching (floors only) or mechanical abrasion / shot blasting.
- After acid etching: rinse until pH is neutral, allow to dry fully before coating.
- After blasting: vacuum or blow off all dust and loose particles before coating.

Quick check:

Target profile CSP 2-4. Smooth troweled concrete may need more aggressive prep.
Always apply a test patch if surface condition is questionable.

TILE & GROUT

- Clean thoroughly. Power washing helps remove embedded contaminants from grout.
- Sanitize and deodorize grout with appropriate cleaners before coating.
- Final scrub with denatured alcohol to remove any residual oils.
- Adhesion Bond additive is required for glazed/unglazed ceramic, porcelain, quarry tile, and grout.

Important:

Adhesion Bond is not optional on tile and grout. See Additives Reference sheet.

VCT, VINYL SHEETING, LVT, LINOLEUM, TERRAZZO

- New floor with factory sealer: scrub with auto scrubber, red pad, and neutral cleaner.
- Previously coated with wax/acrylic: strip down to bare substrate with roto machine, black pad, acrylic stripper.
- Previously coated with urethane or UV finish: lightly screen with roto machine, 120 mesh screen, and water.
- Rinse with neutral cleaner until floor reaches neutral pH. Apply test patch if adhesion is uncertain.

WOOD

- Must be clean and dry. Remove sap or pitch by scraping, then wipe with mineral spirits.
- Seal knots and pitch pockets with shellac before coating.
- Sand medium then fine grit, with the grain. Remove all sanding dust.
- Fill cracks and holes with compatible filler after prime coat dries.

PREVIOUSLY PAINTED SURFACES

- Clean all dust, dirt, grease, and contaminants from the surface.
- Loose, peeling, or poorly bonded paint must be removed before coating.
- Always apply a test patch to verify adhesion and check for delamination.

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CARBON STEEL

Surface cleanliness is the #1 factor for steel coating performance. Better prep = longer coating life.

Prep Level	Method	When to Use with Supreme XTreme
Hand / Power Tool (SP-2 / SP-3)	Scraping, wire brushing, grinding	Light surface rust, minimal scale
Brush-Off Blast (SP-7 / NACE 4)	Light abrasive blast	Good steel, minor surface contamination
Commercial Blast (SP-6 / NACE 3)	Moderate abrasive blast	Spreading rust, scale starting to flake
Near-White Blast (SP-10 / NACE 2)	Thorough abrasive blast	Heavy rust, above pitting line
White Metal (SP-5 / NACE 1)	Complete abrasive blast	Severe pitting, aggressive environment

JFB Hart recommendation:

Above pitting: one coat Supreme XTreme direct to blasted steel.

Below pitting (deep pits): one coat epoxy primer + one coat SX, OR two coats Supreme XTreme.

Always coat blast-cleaned steel before any visible rust can reform. Do not blast above 85% humidity.

Remove all oil/grease by solvent cleaning BEFORE blasting -- blast will not remove oil.

- After blasting: remove all dust by vacuum or clean dry compressed air before coating.
- Prepare welds first -- remove spatter and slag by chipping or grinding.

GALVANIZED STEEL & NON-FERROUS METALS

- Surface must be clean and dry. Blow off dust or wipe clean.
- Remove oil, grease, and protective mill coatings by solvent cleaning.
- Remove white rust from galvanized steel by hand or power brushing. Do not damage the galvanizing.
- Hot-dipped galvanized is often treated with passivation agents that prevent adhesion. When in doubt, abrasive blast.

ENVIRONMENTAL CONDITIONS FOR APPLICATION

Condition	Material Temp	Surface / Ambient	Humidity
Normal	65 - 85 F	65 - 85 F	35 - 65%
Minimum	40 F	40 F	0%
Maximum	85 F	100 F	90%

Key rules:

Do not apply when surface temp is less than 5 F above the dew point.

Colder temps = longer dry time. Warmer temps = shorter pot life.

Do not apply if air temp was below 40 F in the 48 hours prior to application.

Storage: keep product at 75 F. Min 40 F, Max 90 F. Do NOT store in car trunks or garages.