

VFI[®]-6020 IMPACT RESISTANT HARD COAT REPAIR

VFI-6020 Impact Resistant Hard Coat Repair is a slow-setting polyurea hybrid coating that adheres to polyurea and polyurea hybrid material to repair scratches, blisters, and other damage. It can be applied by brush or injected using the VFI-7500 Qwik Spray Gun for easy application and less prep work. VFI-6020 includes a chemical thickener that causes it to thicken to a mastic consistency, so it's easier to spread on a surface and then imprint texture, if desired. The patch material can be sanded and coated or painted to create a uniform finish.

- Can be used with or without the cost-effective, easy-to-set-up Qwik Spray Gun
- Withstands impact and abrasion by creating a fully sealed surface
- Useful for a handful of theming projects to fix blemishes
- Simple and fast repairs to polyurea and polyurea hybrid surfaces

PHYSICAL PROPERTIES	TEST METHOD	TEST RESULTS
Shore Hardness	ASTM D2240	30 D
Tensile Strength	ASTM D412	900 psi
Elongation at Break	ASTM D412	900%
Tear Strength (Die C)	ASTM D624	65 pli
Weathering	N/A	Not UV Stable
Standard Color	N/A	Neutral

LIQUID PROPERTIES	TEST METHOD	TEST RESULTS
Solids by Volume	ASTM D2697	100%
Mix Ratio by Volume	N/A	1A:1B
Weight per Gallon A Side	ASTM D1475	9.27 lb/gal
Weight per Gallon B Side	ASTM D1475	8.30 lb/gal
Viscosity A Side	ASTM D2196	1,000 cps
Viscosity B Side	ASTM D2196	1,000 cps
Pot Life	N/A	7 minutes
Volatile Organic Compounds	N/A	0

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EQUIPMENT

VFI-6020 can be used with the two-component, cartridge-based VFI-7500 Qwik Spray Gun or brushes.

SURFACE PREPARATION

For optimal adhesion, all surfaces should be clean and free of oils, dirt, or films. Remove all damaged material. Scuff around areas you are repairing with a wire cup brush sander or 40-grit sandpaper. Clean surfaces with acetone or MEK and allow the cleaning agents to dry.

MIXING

- **Brush application** - Combine the A and B side materials and mix until it turns into a thick paste that is capable of hanging on vertical surfaces.
- **Qwik Spray application** - The cartridge version does not require mixing unless visibly separated. If separation occurs, shake the cartridges until uniform. Keep the cartridges vertical with the label facing up when loading it into the gun. For vertical surfaces, inject material into a cup and wait for the thickening reaction to occur before applying.

APPLICATION GUIDELINES

Bring the material temperature to a minimum of 65°F before use. The surface temperature should be between 50°F - 100°F during application. The cure speed will increase if the temperature passes 72°F. When using the Qwik Spray System, it is shot as a stream. Apply the repair material to all areas in need of renewal. If texture is needed, a texture mat can be placed over the repair material while it cures to create a consistent finish with the surface.

CLEANUP

When using the Qwik Spray System, remove the cartridges from the applicator frame and throw them away. Never soak the gun in any cleaning solvent. Use xylene or MEK to clean residue on other application equipment.

STORAGE/SHELF LIFE

Store between 60-90°F in a clean, dry building. The shelf life of the cartridges and containers is 6 months after the date of manufacture.

PRECAUTIONS

VFI-6020 contains isocyanate, which can irritate the skin and is toxic if inhaled as particulate matter. Do not thin or add foreign material to this product. Avoid prolonged breathing of vapors and repeated skin contact. Work in an area with adequate ventilation and use all necessary PPE to avoid contact. See the Safety Data Sheet for all safety information.