

AT 2620 - ALPHATEK MOLD REPAIR

NANO-CERAMIC COATING

TECHNICAL DATA SHEET

AT 2620 - AlphaTek Mold Repair coating rejuvenates and repairs all types of industrial molds. AT 2620 permanently fills and seals pinholes and micro-cracks on the face side of almost any mold. Ultra-thin application means no change to the mold dimensions. AT 2620 significantly improves the ROI for any molding tool by extending the useful life of the mold and repairing molds that would otherwise be inoperable. Available with optional black light tracer to enable easy inspection of coating coverage. Proudly manufactured in the USA.

Technical Data

Color	Clear
Viscosity	16 - 18 sec. #2 Zahn
Percent of Solids (%)	18
V.O.C	Exempt per CFR 51.1 / Regulation 8
RoHS	Compliant
REACH	Compliant
Halogens	None
Thermal Stability (cured)	1200°F (648.8°C)
Conical Bond (1/8" Mandrel) (ASTM D522-93a)	Passed
Cross Cut Adhesion (ASTM D3359)	5B
Coefficient of Friction (ASTM D2047)	0.03μ
Specific Gravity (ASTM D891-09)	0.889
Pencil Hardness (ASTM D3363)	8h
Odor (liquid)	Slight Solvent
Odor (cured)	None

Drying and Coverage Rate

Average Applied Dry Film Thickness	2 to 5 microns
Estimated Coverage Rate (@ 3 microns)	2,450 ft ² (230 m ²) per gallon
Dry to Touch Time (@ 77°F / 25°C) *Exposure to a warmer air flow (not exceeding 110°F) will accelerate drying and curing	15 – 25 minutes (average)
Ambient Cure (Full Properties)	5 days

Key Performance Properties

- High performance single component mold sealer.
- Restores expensive leaking molds of all kinds to full working condition.
- Permanently fills and seals pinholes and micro-cracks from the face side of the mold tool.
- Creates a covalent bond to the substrate giving it an intrinsic bond to the mold. Soaks into the substrate as opposed to merely sitting on the surface.
- Ultra thin coating will not change mold dimensions.
- Easy application by wipe and ambient cure.
- VOC exempt coating.
- Inert (benign) material containing no free silicones.
- RoHS and REACH compliant.

Common Applications

All common mold tools.

Supplemental Information

AT 2620(BL) is available with black light tracer for easily inspecting coating coverage once applied.

Coated Mold Surface

