

SYSTEM DESCRIPTION

GS Tough-Seal 600 sealer system is designed for use over interior/ exterior conventional and architectural concrete surfaces. This system consists of a fast-curing, two-component water-based epoxy primer and a finish coat of a high-performance, two-component water-based polyurethane coating. It is an excellent choice when a high-performance sealer system is required.

Concerning chemical and abrasion resistance, Tough-Seal 600 is equal to or superior to other commercial solvent-based systems on the market today. Tough-Seal 600 does not darken the substrate to which it is applied, making it ideal for applications where the traditional “color pop or wet look” of a solvent system is not desired. Due to its high level of chemical resistance, it is ideal for automotive areas. Additionally, it exhibits tire stain resistance equal to that of conventional solvent-based systems.

USES

- Interior and exterior architectural concrete
- Automotive areas with high chemical exposure
- Applications where a natural, non-darkened finish is desired

TYPICAL SYSTEM BUILD

COAT	PRODUCT	THICKNESS/COVERAGE
Patching, Filling, Moisture Vapor	APF Epoxy 300 Flex, APF VaporSolve System	As required
Primer	APF Epoxy 100	200 sqft/gallon (8 mils WFT)
Topcoat	APF Poly 600	250-300 sqft/gallon (5-6 mils WFT)*

*Topcoat coverage determines final texture.

TECHNICAL DATA

Gloss (60)	~92
Gloss (low gloss version, 60°)	<72
Hardness (ASTM-D4366 Konig)	175
Tabor Abrasion (1000 gm. Load, 1000 cycles, CS 17 wheel)	39 Mg. Loss

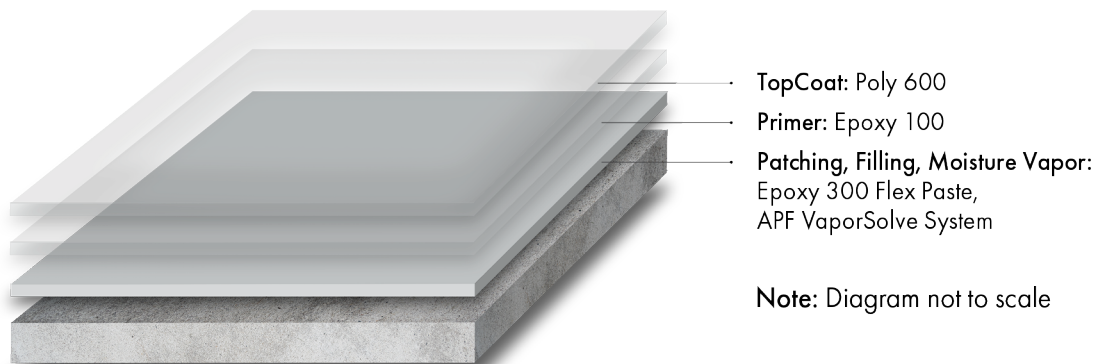
Refer to product data sheet of individual system component for more information.

ADVANTAGES

- Superior chemical and abrasion resistance
- Does not alter substrate color
- Excellent tire stain resistance
- Comparable or better than solvent-based systems

COLORS

GS Tough-Seal WB 600 is available in clear, in low gloss or gloss finish.



APPLICATION INSTRUCTIONS

1.0 Concrete Moisture

It is the applicator's responsibility to test for concrete moisture in accordance with ASTM F2170-19. If moisture is indicated to be more than 85%, apply APF VaporSolve system in accordance with the published system data sheet. Consult APF Technical Service for further information.

2.0 Surface Preparation

Concrete must be cured for at least 30 days, be clean, structurally sound, and free of wax, loose coatings, or curing compounds. Concrete should be properly prepared to achieve a surface Minimum Texture of ICRI/CSP 2-3. Refer to ICRI technical guidelines 310-330, Selecting and specifying concrete surface preparation for sealers, coatings, polymer overlays, and concrete repair. Vacuum the prepared concrete surface to remove all dust. Acid etching is not recommended and will void the manufacturer's warranty.

3.0 Crack Repair

Use Epoxy 300 Flex Paste immediately after mixing. Spread the product using a flat trowel, margin tool, or broad putty/plaster knife. Gunning is not recommended for this material. Apply it to fill the joint completely. If the product settles below the concrete surface, add more material. The cured product must be level with the concrete surface. Allow it to cure before applying the final coat.

4.0 Application of Primer Coat

Apply APF Epoxy 100 material to the surface immediately after mixing, in accordance with the product data sheet, using a notched squeegee. Back roll the material using a quality solvent-resistant 3/8" nap cover, applying 200 sqft/gallon (8 mils WFT). A wet edge is recommended when applying the product; do not attempt to roll over material that has begun to set.

5.0 Application of Topcoat

APF Epoxy 100 must be recoated within the 24-hour recoat window. If the recoat window is exceeded, the surface must be abraded with 80-100 grit to a uniform gloss-free and dust-free texture before recoat. Apply APF Polyurethane 600 material immediately after mixing per the product data sheet with a quality solvent-resistant 3/8" nap roller cover, at a rate of 250-300 sqft/gallon (5-6 mils WFT). Do not allow puddling or accumulation in joint areas. A wet edge is recommended when applying the product; do not attempt to roll over material that has begun to set. An applicator wearing spiked shoes will back roll the wet material using a quality solvent-resistant 3/8" nap roller cover to distribute the material uniformly. The material must be thoroughly rolled twice to achieve optimal substrate wetting (using a north-south, east-west method).

LIMITATIONS

- Before applying, measure and ensure that the ambient temperature is at least 5°F above the dew point.
- High humidity/low temperature will prolong cure time.
- Use of kerosene or propane forced air heating equipment during application may cause discoloration and finish defects.

HANDLING & SAFETY

Use only with adequate ventilation. Appropriate cartridge-type respirator must be used during application in confined areas. Avoid contact with skin; wear protective gloves. User must read and understand Safety Data Sheet before using. APF Safety Data Sheets are available at www.apfepoxy.com.

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STANDARD WARRANTY STATEMENT

ICP Construction, Inc. ("we" "us" or "our"), manufacturer of Arizona Polymer Flooring, warrants that the product is produced within specifications and is free from defects in material only. No warranty shall be in effect until our Terms and Conditions of Sales (<https://www.icpgroup.com/wp-content/uploads/ICP-Group-Terms-and-Conditions-of-Sale.pdf>) are met, including payment and cooperative promotional considerations. We warrant that the covered product is free of defects in material only and suitable for the specified purpose for a period of one (1) year from the date of shipment, provided the product is (a) installed within its published shelf life, in strict conformance with specifications, and (b) handled, stored, mixed, and applied in accordance with our written instructions. It is your responsibility to initiate any claim against this warranty within the time frame specified below. If we determine that the product meets the requirements of this warranty, then we will, at our sole discretion, either refund the purchase price of the product or provide replacement product, in each case not to exceed the affected area as determined by our authorized technical representative. To obtain replacement or refund you must (a) provide timely written notice to us specifying in detail the non-conformity suspected (no later than five (5) working days after discovery), and (b) provide proof of purchase. We reserve the right to inspect the product prior to replacement. EXCEPT FOR THE EXPRESS WARRANTY ABOVE, THERE ARE NO OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR PURPOSE. IN NO EVENT SHALL WE OR OUR AFFILIATES BE LIABLE FOR ANY INDIRECT, SPECIAL, INCIDENTAL, PUNITIVE, OR CONSEQUENTIAL DAMAGES OF ANY NATURE, REGARDLESS OF THE FORM OF ACTION OR THEORY OF LAW, INCLUDING, WITHOUT LIMITATION, BREACH OF ANY OBLIGATION OR WARRANTY IMPOSED ON US HEREUNDER OR IN CONNECTION HERewith, EVEN IF WE HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES IN ADVANCE AND EVEN IF A REMEDY SET FORTH HEREIN IS FOUND TO HAVE FAILED OF ITS ESSENTIAL PURPOSE. "CONSEQUENTIAL DAMAGES" SHALL INCLUDE, WITHOUT LIMITATION, LOSS OF USE, INCOME, OR PROFIT, OR LOSSES SUSTAINED AS THE RESULT OF INJURY TO ANY PERSON, OR LOSS OF OR DAMAGE TO ANY PROPERTY (INCLUDING, WITHOUT LIMITATION, PROPERTY HANDLED OR PROCESSED THROUGH THE USE OF THE PRODUCTS), DAMAGES OR LOSSES RESULTING FROM CLAIMS OF OTHER PERSONS AGAINST YOU, OR DAMAGES OR LOSSES SUSTAINED AS THE RESULT OF WORK STOPPAGE, OR REMOVAL AND REPLACEMENT COSTS AND COSTS OF LABOR. IN NO EVENT SHALL OUR LIABILITY ARISING IN CONNECTION WITH OR UNDER THIS WARRANTY (REGARDLESS OF THE FORM OF ACTION OR THEORY OF LAW) EXCEED THE AMOUNT PAID BY YOU FOR THE DEFECTIVE PRODUCT ONLY. THIS LIMITED WARRANTY PROVIDES YOUR EXCLUSIVE REMEDY FOR ANY DEFECT IN THE PRODUCT. If you do not agree with these terms, you may return the product within thirty (30) days of purchase for a full refund, provided the product is not opened, altered, or adulterated in any manner, less any shipping and handling charges of any sort. Use of the product, or retention of the product beyond thirty (30) days, constitutes your acceptance of this limited and exclusive warranty. No customer, distributor, or representative of ours is authorized to change or modify the published data sheets or this warranty in any way. No one is authorized to make oral warranties on behalf of us.