

**Technical Data Sheet**



3741

## Novo-Flo Solvent / Acid Resistant Coating

**PRODUCTION DESCRIPTION**

General Polymers 3741 NOVO-FLO SOLVENT / ACID RESISTANT COATING is a pigmented, high-build, high solids Novolac epoxy which resists vapor, splash, spillage or immersion to certain aggressive acids, alkalis and solvents. This material bonds aggressively to properly prepared and primed substrates, protecting the substrate from damaging chemicals.

**ADVANTAGES**

- Protects against certain aggressive acids, alkalis and solvents. Refer to the Chemical Resistance Guide.
- High bond strength
- Rapid cure
- Initial high gloss
- Moisture tolerant

**TYPICAL USES**

3741 NOVO-FLO SOLVENT / ACID RESISTANT COATING protects surfaces in petroleum refineries, chemical processing, water treatment, waste water treatment, power utilities, pulp and paper, food and beverage and pharmaceutical facilities.

**LIMITATIONS**

- Slab on grade requires vapor/moisture barrier.
- Substrate must be structurally sound and free of bond inhibiting contaminants.
- During installation and initial cure cycle, substrate and ambient air temperature must be at a minimum of 50F. Substrate temperature must be least 5F above the dew point (for lower temperature installation contact the Technical Service Department).
- When required, adequate ventilation shall be provided and proper clothing and respirators worn.
- **Strictly adhere to published coverage rates.**

**TYPICAL PHYSICAL PROPERTIES @ 73F**

Mix Ratio A:B	2:1
Color	Steel Gray, Silver Gray, Classic Tile Red
VOC (Volatile Organic Content) EPA Method 24	Compliant
SCAQMD Method 304	Compliant
Coverage @ 6-10 mils WFT	160-240 sq. ft.
Pot Life, 1 gallon mass	40 minutes
Cure Time @ 6 mils	Dry to Touch            8 hours Recoat                    16 hours Light Traffic            24 hours Full Cure                 7 days
Abrasion Resistance ASTM D 4060, CS17 Wheel, 1,000 Cycles	100 mgs lost
Hardness, Shore D ASTM D 2240	80
Resistance to Elevated Temperatures MIL-D-3134J	No slip or flow at required temperature of 158F
Adhesion ACI 503R	350 psi 100% concrete failure
Flammability	Self-extinguishing over concrete

**SURFACE PREPARATION**

Proper inspection and preparation of the substrate to receive resinous material is critical. Read and follow the "Instructions for Concrete Surface Preparation" (Form G-1) for complete details.

## STORAGE / APPLICATION

### • MATERIAL DELIVERY AND STORAGE

Store materials in accordance instructions, with seals and labels intact and legible. Keep resins, hardeners, and solvents separated from each other and away from sources of ignition. One year shelf life is expected for products stored between 50°F - 90°F.

### • APPLICATION INSTRUCTIONS

1. Premix 3741A (resin) using a low speed drill and Jiffy blade. Mix for one minute and until uniform, exercising caution not to whip air into the material.

2. Add 2 parts 3741A (resin) to 1 part 3741B (hardener) by volume. Mix with low speed drill and Jiffy blade for three minutes and until uniform.

3. Apply 3741 using a 1/4" nap roller at a spread rate of 160-240 sq. ft. per gallon evenly, with no puddles making sure of uniform coverage. **Take care not to puddle materials and insure even coverage.**

4. Allow to cure 24 hours before opening to light foot traffic and water exposure.

**Note: Epoxy materials will appear to be cured and “dry to touch” prior to full chemical cross linking. Allow epoxy to cure 2-3 days prior to exposure to water or other chemicals for best performance.**

## CHEMICAL RESISTANCE

For comprehensive chemical resistance information, consult the Chemical Resistant Guide and contact the Technical Service Department.

## Cleanup

Clean up mixing and application equipment immediately after use. Use toluene or xylene. Observe all fire and health precautions when handling or storing solvents.

## Safety

Refer to the MSDS sheet before use. All applicable federal, state, local and particular plant safety guidelines must be followed during the handling and installation and cure of these materials. Safe and proper disposal of excess materials shall be done in accordance with applicable federal, state, and local codes.

## Maintenance

Occasional inspection of the installed material and spot repair can prolong system life. For specific information, contact the Technical Service Department.

## Shipping

• Destinations East of the Rocky Mountains are shipped F.O.B. Cincinnati, Ohio.

• Destinations West of the Rocky Mountains are shipped F.O.B. Victorville, California.

For specific information relating to international shipments, contact your local sales representative.

## Disclaimer

The information and recommendations set forth in this document are based upon tests conducted by or on behalf of The Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product(s) offered at the time of publication. Published technical data and instructions are subject to change without notice.

Consult [www.generalpolymers.com](http://www.generalpolymers.com) to obtain the most recent Product Data information and Application instructions.

## Warranty

The Sherwin-Williams Company warrants our products to be free of manufacturing defects in accord with applicable Sherwin-Williams quality control procedures. Liability for products proven defective, if any, is limited to replacement of the defective product or the refund of the purchase price paid for the defective product as determined by Sherwin-Williams, NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY SHERWIN-WILLIAMS, EXPRESSED OR IMPLIED, STATUTORY, BY OPERATION OF LAW OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

