



Protective & Marine Coatings

ACRYDUR™ AQUA 4772 POLYACRYLATE BLENDING POLYMER

GP4772C01

Revised: December 17, 2021

PRODUCT INFORMATION

PRODUCT DESCRIPTION

ACRYDUR AQUA 4772 Polyacrylate Blending Polymer is a liquid polymer that adds strength to cementitious mortar. This additive is combined with hard aggregates and cement to form a thin-set terrazzo mixture or as a primer for cementitious mortars.

ADVANTAGES

- Resists Freeze/Thaw cycling
- Improves bond strength
- Water resistant and non-shrinking
- Can be applied to damp surfaces
- Breathable
- Available for vertical applications

TYPICAL USES

ACRYDUR AQUA 4772 Polyacrylate Blending Polymer is the liquid resin component for Sherwin-Williams Polyacrylate #801 Terrazzo flooring, a primer for polyacrylate cement base mortars, and as a polymer modifier of Portland Cement. The polymer additive allows these mortars to maintain a thermal coefficient of expansion similar to concrete.

LIMITATIONS

- Not to be used as a stand-alone product.
- Substrate must be structurally sound, free of standing water and free of bond inhibiting contaminants.
- During installation and initial cure cycle substrate and ambient air temperature must be at a minimum of 40°F (4°C).
- Strictly adhere to published coverage rates.

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.

PRODUCT CHARACTERISTICS

Color:	White
Mix Ratio:	Single Component
Viscosity:	7.5 sec. Z4
Volume Solids:	33% ± 2%
Weight Solids:	37% ± 2%
VOC (EPA Method 24):	<50 g/L ; 0.42 lb/gal

Recommended Spreading Rate per coat:

~Coverage sq ft/gal (m²/L): varies according to usage

Drying Schedule @ 250 mils (1/4 inch) wet:

@ 73°F (23°C)

Dry To touch: 5 hours

Full Cure: 28 days

If maximum recoat time is exceeded, abrade surface before recoating.

Drying time is temperature, humidity, and film thickness dependent.

Pot Life: gallon mass 15 minutes @ 73°F (23°C)

Shelf Life: 12 months, unopened
Do not allow material to freeze.
Store indoors at 50°F (10°C) to 90°F (32°C).

Flash Point: >212°F (>100°C), ASTM D 93

PERFORMANCE CHARACTERISTICS

Test Name	Results	
Bond Strength	ASTM C321	300 psi
Compressive Strength	MIL-D-3134, Type II	10,000 psi
Flammability		Self-extinguishing over concrete
Flexural Strength	ASTM C293	2,500 psi
Linear Shrinkage	ASTM C157	.05%
Tensile Strength	ASTM C190	1,000 psi
Thermal Coefficient of Expansion	ASTM C157	10x10 ⁻⁶ /°C



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APPLICATION

APPLICATION INSTRUCTIONS:

As Primer

1. To aid in adhesion, the slab should be damp (with no standing water) before the polyacrylate primer coat is applied.
2. Combine 1 gallon of Acrydur Aqua 4772 with 10-15 lbs. cement to produce a thin slurry. The slurry is applied with a broom, brush, or squeegee. DO NOT mix and apply more material than can be covered in 10-15 minutes.
3. Coverage rates will vary depending upon application.

As Binder Resin

Consult the appropriate Sherwin-Williams System Bulletin: TPM 700, 707, 711, 721, 723, Terrazzo #801 for complete details.

ORDERING INFORMATION

Packaging: 5 gallon (18.9L) containers
Weight: 10.4 ± 0.2 lb/gal; 1.25 Kg/L

TINTING

Do not tint.

CLEANUP

Clean up mixing and application equipment immediately after use. Use soap and water for cleanup.

SAFETY

Refer to the SDS sheet before use.

Published technical data and instructions are subject to change without notice. Contact your Sherwin-Williams representative for additional technical data and instructions.

MAINTENANCE

Occasional inspection of the installed material and spot repair can prolong system life. For specific information, contact your Sherwin-Williams representative.

DISCLAIMER

The information and recommendations set forth in this Product Data Sheet 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 offered at the time of publication. Consult your Sherwin-Williams representative to obtain the most recent Product Data Information and Application Bulletin.

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.