AQUARMOR™ WBU
Water-Based Urethane

PART A GP4410A SERIES
PART B, GLOSS GP4410B01 HARDENER
PART B, SEMI-GLOSS GP4410B02 HARDENER
PART A, FLAT GP4411A01 CLEAR
PART B, FLAT GP4411B01 HARDENER

PRODUCT INFORMATION

PRODUCT DESCRIPTION
AQUARMOR™ WBU is a water-based, breathable, aliphatic urethane available in gloss and flat that provides a uniform final finish on both floors and walls.

ADVANTAGES
- Gloss, semi-gloss, and flat finishes
- No hot-tire pickup / resists hot-tire staining
- Acceptable for use in USDA inspected facilities
- Color matching available at select Sherwin Williams stores
- Breathable
- Long working time
- Lower VOC than comparable solvent-based products
- Good chemical resistance
- UV stable

TYPICAL USES
AQUARMOR™ WBU can be used to seal terrazzo, concrete or other floor and wall systems where a gloss, semi-gloss, or flat finish is desired. Typical coating applications include: aircraft hangars, light manufacturing areas, garages, automotive dealerships and auto service areas. For additional wear resistance, General Polymers 5240 fine aluminum oxide can be added (see the General Polymers HardTop System Bulletin for additional information.)

LIMITATIONS
- DO NOT allow to freeze
- Substrate must be structurally sound, dry and free of bond inhibiting contaminants
- During installation and initial cure cycle substrate and ambient air temperature must be a minimum of 50°F (10°C). Substrate temperature must be at least 5°F (3°C) above the dew point (for lower temperature installation contact the Technical Service Department)
- Maximum dry surface temperature not to exceed 160°F (71°C)
- Thick or puddled material can result in CO₂ entrapment and/or a milky appearance
- This coating though resistant, is not a guarantee against tire staining. Vehicular tires from cars and trucks to tractors and boat trailers are varied and have the potential to leave a stain under certain conditions. Place rubber mats or carpet pieces under the tires to avoid the issue.
- Do not install if raining or when rain is imminent, or a reduction in gloss and working time can be experienced

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: Gloss & Semi-Gloss: Clear, standard, custom colors
Flat: Clear only

Sheen: Gloss, Semi-Gloss, or Flat

Mix Ratio: 4:1 by volume

Volume Solids: 52% ± 2%, mixed
Weight Solids: 55% ± 2%, mixed

VOC (EPA Method 24): <50 g/L ; 0.42 lb/gal, mixed

Recommended Spreading Rate per coat:
Minimum: 3 (75) Maximum: 6 (150)
Dry mils (microns): 1.5 (37.5) 3 (75)
Coverage sq ft/gal (m²/L): 278 (6.9) 556 (13.9)

Drying Schedule @ 6 mils (150 microns) wet: @ 72°F (22°C)
Rel. humidity: 50%
To touch: 4 hours
To walk on: <18 hours
Light traffic: min 24 hours
To recoat:
- minimum: 4 hours
- maximum: 18 hours

Wheeled traffic: 48 hours

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

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

Pot Life: 1 pint @ 77°F (23°C), 1.50 hours
Sweat-in-time: None
Reducer: Water (5-10% Maximum)

Shelf Life: Part A: 12 months, unopened
Part B: 6 months, unopened

Store indoors at 50°F (10°C) to 90°F (32°C)

Flash Point: >200 F° (93°C), PMCC or SETA, mixed

PERFORMANCE CHARACTERISTICS

Substrate: Concrete
System Tested: General Polymers 3460
AQUARMOR™ WBU

Test Name Test Method Results
Abrasion Resistance ASTM D 4060 CS-17 wheel 1000 cycles 60 mg loss
Patti Adhesion ASTM D 4551 1000 psi concrete failure
Hot tire resistance P&M method Stain resistant
Pencil Hardness ASTM D3363 3H
AQUARMOR™ WBU
Water-Based Urethane

PART A
GP4410A

PART B, GLOSS
GP4410B01

PART B, SEMI-GLOSS
GP4410B02

PART A, FLAT
GP4411A01

PART B, FLAT
GP4411B01

SERIES
HARDENER
HARDENER
CLEAR
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PRODUCT INFORMATION

APPLICATION CONDITIONS

Temperature:
- 50°F (10°C) minimum,
- 160°F (71°C) maximum surface temperature
- At least 5°F (2.8°C) above dew point

Clean up mixing and application equipment immediately after use with water.

Performance Tips

NOTE: AQUARMOR™ WBU tacks quickly. You must maintain a wet edge to avoid the potential for roller lines, if you see lines during application cross roll to eliminate.

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 the Technical Service Department.

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.

Tinting

Tint bases can be tinted with CCE at 100% strength. Five minutes minimum on a mechanical shaker is required for complete mixing of color.

GP4410W01 - 0-6 oz/gal
GP4410T04 - 10-14 oz/gal

Standard colors are listed in the SherColor database

Chemical Resistance

Chemical Resistance
24 hour exposure test (NE= No Effect)

Skydrol
Slightly discolored/stain

SafKleen
NE

10% Bleach
NE

CIP 100
NE

Vesphene
NE

LPHsE
NE

25% Phosphoric Acid
NE

50% Sodium Hydroxide
NE

IPA
NE

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