



608 Premium Urethane Sealer

DS-049.0-0312



1. PRODUCT NAME

DRYTEK® 608 Premium Urethane Sealer

2. MANUFACTURER

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3. PRODUCT DESCRIPTION

DRYTEK 608 Premium Urethane Sealer is a clear, water-based, catalyzed aliphatic urethane emulsion sealer. Exhibits excellent abrasion resistance without the solvent odors associated with other urethane products. Extremely fast set time and a very long pot life.

Advantages

- Formulated for use over DRYTEK Wear Surfaces and Decorative Toppings such as
 - DRYTEK 7400
 - DRYTEK 9400
- For use in more demanding environments such as high foot traffic areas, industrial spaces, etc.

Suitable Substrates

- DRYTEK Wear Surfaces and Decorative Toppings

Packaging

Two component kit containing:

- 8.5 lb (3.9 kg) Part A and 1.8 oz. (50 grams) Part B

Color Clear

Approximate Coverage

Yield/coverage is only an estimate and may vary depending on the amount of water, mixing equipment, temperature and field conditions.

For 5 gallons 2,000 – 2,675 ft² (185 – 248 m²) at 3–4 mils (0.08–0.10 mm) wet thickness

Approximately Coverage 400–535 ft² per gallon (37–49.5 m²) at 3–4 mils (0.08–0.10 mm) wet thickness

Shelf Life

Transport and store in clean, dry conditions in unopened containers. Continuous storage temperature should be maintained between 60 and 90°F (16°–32°C). Protect from freezing. Use within twelve (12) months of date of manufacture.

Limitations

- Sealers are not replacements for waterproofing membranes. When a waterproofing membrane is required, use a LATICRETE® Waterproofing Membrane (see Section 10 FILING SYSTEMS).
- When installing a DRYTEK Decorative Wear Surface System be sure to follow all instructions provided for each component of the system.
- Clarity of color or gloss may be affected by high humidity, low temperatures, chemical exposure.
- Lighting sources may affect appearance of color.
- Do not apply DRYTEK 608 Premium Urethane Sealer to areas where there is standing water.
- DRYTEK 608 Premium Urethane Sealer should not be installed over any moving joints or structural cracks (cracks greater than 1/16" [1.5 mm] in width or any crack that experiences any vertical displacement). All existing expansion joints, cold joints and control joints must be brought up through the underlayment and the finish. Failure to honor movement joints will result in cracking and/or loss of bond.
- Note: Surfaces must be structurally sound, stable and rigid enough to support ceramic/stone tile, thin brick and similar finishes. Substrate deflection under all live, dead and impact loads, including concentrated loads, must not exceed L/360 for thin bed ceramic tile/brick installations or L/480 for thin bed stone installations where L=span length (except where local building codes specify more stringent deflection requirements)

Cautions

Before using any DRYTEK product

- Read and understand the Product Data Sheet and Material Safety Data Sheet.
- Perform a mock-up to ensure product will perform as required and provide the desired finish appearance. See TDS 185D for more information.
- Check www.drytek.com for any technical bulletins or updated information about the product and its application
- Contact your local DRYTEK Technical Sales Representative with any questions

4. TECHNICAL DATA

Physical Properties

SOLIDS BY WEIGHT	MIXED=30%(+/- 2%)
SOLIDS BY VOLUME	MIXED=24%(+/- 2%)
VOLATILE ORGANIC CONTENT	PART A=1.03#/GALLON PART B=0.0#/GALLON MIXED VOC=1.03#/GALLON
RECOMMENDED FILM THICKNESS	3-4 MILS WET (0.5 – 1.0 MILS DRY)
FINISH CHARACTERISTICS	HIGH GLOSS (>80 AT 60 DEGREES @ ERICHSEN GLOSSMETER)
ABRASION RESISTANCE	TABER ABRASER WITH CS-17 CALIBRASE WHEEL WITH 1000 GRAM TOTAL LOAD AND 500 CYCLES = 10 MG LOSS
IMPACT RESISTANCE	GARDNER IMPACT, DIRECT = 50 IN. LB. (PASSED)
FLEXIBILITY	NO CRACKS ON A 1/8" (3 MM) MANDREL
ADHESION	345 PSI @ ELCOMETER (CONCRETE FAILURE, NO DELAMINATION)
VISCOSITY	MIXED = <100 CPS
Dot CLASSIFICATIONS	NOT REGULATED
ELONGATION AT BREAK	120%

Specifications are subject to change without notification. Results shown are typical but reflect test procedure used. Actual field performance will depend on the type of tile/stone used, installation methods and site conditions.

Working Properties at 70°F (21°C)

Pot Life	24 hours
Tack Free Dry	10-20 minutes
Recoat/Topcoat	1-2 hours
Time to Traffic	2-4 hours
Full Cure	2-3 days

Chemical Resistance

REAGENT	RATING
Butanol	not rated
Xylene	A – not recommended
1, 1, 1 Trichloroethane	not rated
Mek	A – not recommended
Methanol	not rated
Ethyl alcohol	not rated
Skydro	not rated
Gasoline	A – not recommended
10% Sodium Hydroxide	B – 2 hour term splash spill
50% Sodium Hydroxide	B – 2 hour term splash spill
5% Acetic Acid	A – not recommended
10% Sulfuric Acid	B – 2 hour term splash spill
70% Sulfuric Acid	not rated
10% Hydrochloric Acid	B – 2 hour term splash spill
20% Nitric Acid	A – not recommended
Ethylene Glycol	B – 2 hour term splash spill

5. INSTALLATION

Surface Preparation

When applying DRYTEK® 608 Premium Urethane Sealer over DRYTEK Decorative Toppings (e.g. DRYTEK 7400 and DRYTEK 9400) no surface scarification or acid etching is required. Simply remove any loose material, laitance, dirt, dust, oil, and any surface contaminants that will inhibit proper adhesion.

Refer to application instructions regarding when the specific DRYTEK Decorative Topping is ready to receive sealer.

When applying DRYTEK 608 Premium Urethane Sealer over a non-DRYTEK surface consult with underlayment manufacturer for proper substrate preparation instructions.

Maintain ambient temperature between 60 and 90°F (15-32°C) and substrate temperature 5°F (3 °C) above dew point during application.

Mixing

Mix 1 gallon or 8.5 lbs (3.9 kg) PART A to 1.8 oz (49.8 gm) PART B. Allow kits of DRYTEK 608 Premium Urethane Sealer to acclimate to room temperature before mixing. Add Part B to Part A and mix speed drill (400 – 600 rpm) until homogeneous and streak free. Once mixed the pot life is approximately 24 hours.

Application

Apply mixed material using a 3/8" (10 mm) nap premium quality roller.

Recoat

If recoating, ensure all solvents and water have evaporated from the previous coat – this is usually in 1 to 2 hours. Colder temperatures or higher humidity may require more time before recoating. Rule of thumb to test if ready for recoat – press your thumb on the previous application and check that no fingerprint is left. Additional coats should be applied before 24 hours have elapsed (if not previous coat

may need to be slightly roughened/deglossed). If previous coats have a slight blush, clean with a standard detergent cleaner.

Do not apply coatings products, other than wax, over DRYTEK 608 Premium Urethane Sealer

Clean up and Disposal

Clean tools and equipment with solvent. Cured material must be removed mechanically. Dispose of waste material in accordance with local, state or federal regulations.

Curing

Restrict floor to light traffic and non-harsh chemicals and protect from moisture until fully cured (see technical data for full cure under Working Properties).

6. AVAILABILITY AND COST

Availability

For Distributor information, call:

Telephone: +1.203.393.0010

For on-line Distributor information, visit DRYTEK at www.drytek.com.

Cost

Contact DRYTEK Technical Sales Representative in your area.

7. WARRANTY

See 10. FILING SYSTEM

DS 230.16: DRYTEK 3 Year Product Warranty

8. MAINTENANCE

Some cleaning products/processes may alter the color of the installed DRYTEK floor. Test cleaning product and process in a small area prior to applying to the entire floor. Refer to TDS 184D "Maintenance of DRYTEK Cementitious Decorative Toppings", available at www.laticrete.com for more information.

9. TECHNICAL SERVICES

Technical assistance

Information is available by calling the DRYTEK Technical Service Hotline (hours 8:00 AM to 5:30 PM EST):

Telephone: +1.877.DRYTEK1, ext. 247 or;
+1.877. 379.8351, ext. 247

Fax: +1.203.393.1948

Technical and safety literature

To acquire technical and safety literature, please visit our website at www.drytek.com.

10. FILING SYSTEM

Additional product information is available on our website at www.drytek.com. The following is a list of related documents:

DS 230.16: DRYTEK 3 Year Product Warranty

DS 042.0: DRYTEK 7400

DS 045.0: DRYTEK 9400

TDS 184D: Maintenance of DRYTEK Cementitious
Decorative Toppings

TDS 185D: DRYTEK Wear Surface Variation

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