



# Protective & Marine Coatings

# D.O.T. ACRYLIC TEXTURE COATING

B42-800 SERIES

Revised: July 25, 2023

## PRODUCT INFORMATION

### PRODUCT DESCRIPTION

**D.O.T. Acrylic Texture Coating** is a heavy duty, 100% acrylic aggregate-filled coating with outstanding color retention and durability. It can be used directly over numerous substrates. It is available in fine, medium and extra coarse textures.

- Meets performance of TT-P-29
- Chemical resistant
- Fast dry
- Resists mildew and fungus growth

### PRODUCT CHARACTERISTICS

<b>Finish:</b>	Flat
<b>Color:</b>	White and pastel colors
<b>Finish Texture:</b>	Fine (B42W801) Medium (B42W810) Smooth (B42WW810 - FS # 37925) Smooth (B42AW801 - FS # 36440) Fine (B42AW804 - FS # 16360)
<b>Volume Solids:</b>	49% $\pm$ 3% texture and color dependent (mixed)
<b>Weight Solids:</b>	59% $\pm$ 3% texture and color dependent (mixed)
<b>VOC (EPA Method 24):</b>	<55 g/L; 0.46 lb/gal (unreduced)

#### Recommended Spreading Rate per coat:

~Coverage: 50 - 110 sq ft/gal approximate  
(Dependant on substrate, texture or coating thickness desired.).

#### **Recommended Film Thickness per Coat:**

##### **Mils (microns)**

<b>Wet Mils:</b>	14.0 (350)	32.0 (800)
<b>Dry Mils:</b>	7.0 (175)	16.0 (400)

Allow for loss due to substrate texture and porosity.

#### Drying Schedule @ 50-110 sq ft/gal @ 50% RH:

@ 77°F

**To touch:** 30 minutes to 1 hour

**To recoat:** 2 hours

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

<b>Shelf Life:</b>	36 months, unopened
<b>Flash Point:</b>	None
<b>Reducer/Clean Up:</b>	Water

### RECOMMENDED USES

For use over prepared:

- Concrete and masonry surfaces
- Poured or pre-cast concrete
- Concrete masonry block

Acceptable applications include:

- Concrete barriers
- Bridges
- Slope paving

### PERFORMANCE CHARACTERISTICS

**Substrate\*:** Concrete

**Surface Preparation\*:** Clean, dry and sound

**System Tested\*:**

1-2 cts. D.O.T. Acrylic Texture Coating

\*unless otherwise noted below

Test Name	Test Method	Results
<b>Adhesion</b>	ASTM D3359 Method B	Passed, 5B
<b>Carbon Arc Testing</b>	ASTM G 23, 1-5000 Hrs; ASTM G155 - 5000 Hrs	Passed (ASTM G 23); Passed, 3.4 DE (ASTM G155)
<b>Flexibility, 1/8 inch mandrel</b>	ASTM D522, Method B	Passed
<b>Freeze / Thaw Resistance</b>	ASTM D2246 - 50 cycles; Tennessee - 918.30 - 250 cycles	Passed
<b>Fungus Growth (Aspergillus Niger)</b>	ASTM D D3273-00 28 days	Passed, 9 rating
<b>Impact Resistance</b>	ASTM D 165; ASTM D 2794	Passed (ASTM D 165); 24 in/lbs (ASTM D 2794)
<b>Resistance to Wind Driven Rain</b>	Fed Spec. TT-C-555B	Passed
<b>Salt Spray</b>	ASTM B117, 300 hours	No damage
<b>Taber Abrasion</b>	ASTM D6040..>500 cycles	189 mg loss
<b>Water / Alkali Resistance</b>	ASTM D 1308	Passed
<b>Water Vapor Permeability</b>	ASTM D 1653	Passed, 20.5 perms
<b>Water Vapor Transmission</b>	ASTM E96	Passed, 6.81 gr/hr/m2



# Protective & Marine Coatings

# D.O.T. ACRYLIC TEXTURE COATING

**B42-800 SERIES**

Revised: July 25, 2023

## PRODUCT INFORMATION

### RECOMMENDED SYSTEMS

#### Concrete/Masonry\*:

1 ct D.O.T. Acrylic Texture Coating - Apply @ 50 - 110 sq ft/gal  
or

2 cts. D.O.T. Acrylic Texture Coating - Apply @ 50 - 110 sq ft/gal

\*For high pH surfaces, an optional primer consisting of 1 coat of Loxon Conditioner may be applied.

#### Steel:

1 ct. Hi-Solids Alkyd Metal Primer

1-2 cts. D.O.T. Acrylic Texture Coating @ 50 - 110 sq ft/gal

The systems listed above are representative of the product's use, other systems may be appropriate.

### SURFACE PREPARATION

Surface must be clean, dry, and in sound condition. Remove all oil, dust, grease, dirt, loose rust, and other foreign material to ensure adequate adhesion.

Refer to product Application Bulletin for detailed surface preparation information.

Minimum recommended surface preparation:

Concrete, Masonry, and Steel: Clean, dry and sound

Atmospheric: SSPC-SP2/3

#### Surface Preparation Standards

Condition of Surface	ISO 8501-1 BS7079:A1	Swedish Std. SIS055900	SSPC	NACE
White Metal	Sa 3	Sa 3	SP 5	1
Near White Metal	Sa 2.5	Sa 2.5	SP 10	2
Commercial Blast	Sa 2	Sa 2	SP 6	3
Brush-Off Blast	Sa 1	Sa 1	SP 7	4
Hand Tool Cleaning	Rusted C St 2	C St 2	SP 2	-
Pitted & Rusted	D St 2	D St 2	SP 2	-
Power Tool Cleaning	Rusted C St 3	C St 3	SP 3	-
Pitted & Rusted	D St 3	D St 3	SP 3	-

### TINTING

Tint with Blend-A-Color Toner or ColorCast Ecotoner (CCE) at 50% strength (0-4 oz/gal).

### APPLICATION CONDITIONS

Temperature: 45°F minimum, 110°F maximum  
(air, surface, and material)  
At least 5°F above dew point

Relative humidity: 85% maximum

Refer to product Application Bulletin for detailed application information.

### ORDERING INFORMATION

Packaging: 5 gallon containers  
55 gallon containers

Weight per gallon: 10.10 lbs (may vary by color)

### SAFETY PRECAUTIONS

Refer to the MSDS 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.

### 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.

### 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.



# Protective & Marine Coatings

# D.O.T. ACRYLIC TEXTURE COATING

B42-800 SERIES

Revised: July 25, 2023

## APPLICATION BULLETIN

### SURFACE PREPARATIONS

Surface must be clean, dry, and in sound condition. Remove all oil, dust, grease, dirt, loose rust, and other foreign material to ensure adequate adhesion.

#### Masonry and Concrete

For surface preparation, refer to SSPC-SP13/NACE 6. Surfaces should be thoroughly clean and dry. Concrete and mortar must be cured at least 28 days @ 75°F. Remove all loose mortar and foreign material. Surface must be free of laitance, concrete dust, dirt, form release agents, moisture curing membranes, loose cement and hardeners. Fill bug holes, air pockets and other voids with a cement patching compound. Weathered masonry and soft or porous cement board must be brush blasted or power tool cleaned to remove loosely adhering contamination and to get to a hard, firm surface. Laitance must be removed by etching with a 10% muriatic acid solution and thoroughly neutralized with water.

#### Poured Concrete, New

Surface must be clean, dry, sound and offer sufficient profile to achieve adequate adhesion. Minimum substrate cure is 28 days at 75°F. Remove all form release agents, curing compounds, salts, efflorescence, laitance, and other foreign matter by suitable means. Allow to dry thoroughly prior to coating. If painting cannot wait 28 days, allow the surface to cure 7 days and prime the surface with Loxon Conditioner.

#### Poured Concrete, Old

Surface preparation is done in much the same manner as new concrete; however, if the concrete is contaminated with oils, grease, chemicals, etc., they must be removed by cleaning with a strong detergent. Refer to ASTM D4258. Form release agents, hardeners, etc. must be removed by sandblasting, shotblasting, mechanical scarification, or waterblasting at a minimum of 3000 psi and 3 gallons per minute flow rate, or other suitable means. If surface deterioration presents an acceptable rough surface, Heavy Duty Block Filler is recommended to patch and resurface damaged concrete.

#### Iron & Steel, Atmospheric Service:

Minimum surface preparation is Hand Tool Clean per SSPC-SP2. Remove all oil and grease from surface by Solvent Cleaning per SSPC-SP1. For better performance, use Commercial Blast Cleaning per SSPC-SP6, blast clean all surfaces using a sharp, angular abrasive for optimum surface profile (2 mils). Prime any bare steel within 8 hours or before flash rusting occurs.

#### Always follow the ASTM methods listed below:

ASTM D4258 Standard Practice for Cleaning Concrete

Surface Preparation Standards				
Condition of Surface	ISO 8501-1 BS7079:A1	Swedish Std. SIS055900	SSPC	NACE
White Metal	Sa 3	Sa 3	SP 5	1
Near White Metal	Sa 2.5	Sa 2.5	SP 10	2
Commercial Blast	Sa 2	Sa 2	SP 6	3
Brush-Off Blast	Sa 1	Sa 1	SP 7	4
Rusted	C St 2	C St 2	SP 2	-
Hand Tool Cleaning	D St 2	D St 2	SP 2	-
Pitted & Rusted	C St 3	C St 3	SP 3	-
Rusted	C St 3	C St 3	SP 3	-
Power Tool Cleaning	D St 3	D St 3	SP 3	-
Pitted & Rusted	D St 3	D St 3	SP 3	-

### APPLICATION CONDITIONS

Temperature: 45°F minimum, 110°F maximum  
(air, surface, and material)  
At least 5°F above dew point

Relative humidity: 85% maximum

### APPLICATION EQUIPMENT

The following is a guide. Changes in pressures and tip sizes may be needed for proper spray characteristics. Always purge spray equipment before use with listed reducer. Any reduction must be compliant with existing VOC regulations and compatible with the existing environmental and application conditions.

Reducer ..... Not recommended

Clean Up ..... Water

#### Spray:

Equipment must be specifically designed for aggregate coatings.

#### For Fine and Medium Textures:

Unit..... Graco RTX 1500  
Pressure..... 30-35 psi air to the pump  
Tip ..... 3/16" or 1/4"  
Reduction..... None

#### For Extra Coarse Texture:

Unit..... Graco 10:1 President Texture Pump

#### Brush (small areas only):

Brush..... Nylon/polyester  
Reduction..... Not recommended

#### Roller (small areas only):

Cover ..... 1/2" - 3/4" woven with solvent resistant  
core  
Reduction..... Not recommended

If specific application equipment is not listed above, equivalent equipment may be substituted.



# Protective & Marine Coatings

# D.O.T. ACRYLIC TEXTURE COATING

**B42-800 SERIES**

Revised: July 25, 2023

## APPLICATION BULLETIN

### APPLICATION PROCEDURES

Surface preparation must be completed as indicated.

**Mixing Instructions:** Mix paint thoroughly by boxing and stirring before use.

Apply paint at the recommended film thickness and spreading rate as indicated below:

#### Recommended Spreading Rate per coat:

~Coverage: 50 - 110 sq ft/gal approximate  
(Dependant on substrate, texture or coating thickness desired.).

#### Recommended Film Thickness per Coat:

##### Mils (microns)

	14.0 (350)	32.0 (800)
<b>Wet Mils:</b>		
<b>Dry Mils:</b>	7.0 (175)	16.0 (400)

Allow for loss due to substrate texture and porosity.

#### Drying Schedule @ 50-110 sq ft/gal @ 50% RH:

@ 77°F

**To touch:** 30 minutes to 1 hour

**To recoat:** 2 hours

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

Application of coating above maximum or below minimum recommended spreading rate may adversely affect coating performance.

### CLEAN UP INSTRUCTIONS

Clean spills and spatters immediately with soap and warm water. Clean tools immediately after use with soap and warm water. Follow manufacturer's safety recommendations when using any solvent.

### 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.

### PERFORMANCE TIPS

When using spray application, use a 50% overlap with each pass of the gun to avoid holidays, bare areas, and pinholes. If necessary, cross spray at a right angle

During the early stages of drying, the coating is sensitive to rain, dew, high humidity, and moisture condensation. If possible, plan painting schedules to avoid these influences during the first 16-24 hours of curing.

Spreading rates are calculated on volume solids and do not include an application loss factor due to surface profile, roughness or porosity of the surface, skill and technique of the applicator, method of application, various surface irregularities, material lost during mixing, spillage, overthinning, climatic conditions, and excessive film build.

Excessive reduction of material can affect film build, appearance, and adhesion.

Refer to Product Information sheet for additional performance characteristics and properties.

### SAFETY PRECAUTIONS

Refer to the MSDS 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.

### 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.