



WeatherMaster™ ULTIMATE MP Sealant

Product Data Sheet
Edition 06.15.2013

Description

Titebond® WeatherMaster ULTIMATE MP Sealant is a one-component, non-priming, premium-grade, advanced polymer sealant. It offers unbeatable adhesion to aluminum, painted metal, PVC, wood, masonry, vinyl, glass, plastic, steel and most common building materials such as wall panels, siding, flashing, and sheet metal including Kynar™ and Hylar™ 5000 coated metal panels. Titebond® WeatherMaster ULTIMATE MP Sealant adheres well to damp surfaces and this low VOC formulation meets the most stringent state and federal VOC regulatory requirements.

Color

20+ colors including white, off-white, tan, limestone, stone, aluminum, hunter green, special bronze, medium bronze, redwood tan and black. For a complete listing of colors, please visit www.Titebond.com

Coverage

10.1 fl. oz. (300mL) – 31 ft of ¼" bead.

20 fl. oz. (591mL) sausage packs - 61 ft of ¼" bead

Storage Life

18 months in tightly closed containers below 75° F.

Composition

One-component, moisture-cure, advanced polymer sealant.

* Titebond WeatherMaster ULTIMATE MP Translucent (#71111) is 25% flexible.

** Titebond WeatherMaster ULTIMATE MP Translucent (#71111) is NOT paintable.

Features

FEATURES	BENEFITS
Joint movement capability \pm 50%*	Remains permanently flexible
Ultra low VOC	VOC-compliant in all 50 states
20+ colors	Matches most common substrates
Weather and aging resistant	Provides weather-tight seals
Cold weather extrusion	Extrudes down to 0° F
UV-resistant	Will not crack
Excellent unprimed adhesion	Bonds to most building materials
Paintable**	After 2 hours
Excellent aging resistance	Excellent durability
Fills gaps	Up to 1"
Low shrinkage	< 1%
Primer not required for most construction materials	Reduces installation costs
Endures extreme weather conditions	High resistance to ultraviolet radiation, heat and humidity

Where to Use

Applications	Locations	Substrates
<ul style="list-style-type: none"> • EIFS systems • General roofing applications • Windows/Doors • Metal & vinyl siding • Gutters & vents • RV, Tractor trailers & buses 	<ul style="list-style-type: none"> • Exterior • Interior • Above grade 	<ul style="list-style-type: none"> • Metal • Aluminum • Stucco • Wood • PVC • Masonry • Asphalt Roofing • Many others

Ordering Information

Cat. No.	Size	Units/Pkg.	Weight	Pkg./Pallet
71111	Translucent - 10.1 oz.	12	10	108
71001	White - 10.1 oz. Over 20 colors available	12	13	108
71002	White - 20oz. Sausage Pack 10 colors available	20	45	40



Preparation

Surfaces must be cleaned down to the original substrate and free from any material that may prevent adhesion. To ensure neat sealant lines, mask areas adjacent to joints. It is the sole responsibility of the user to thoroughly test any proposed use with all substrates to determine project suitability. If a primer is selected, follow primer manufacturer's installation procedures.

Application

Titebond WeatherMaster ULTIMATE MP Sealant comes ready to use. Apply by professional cartridge gun. Extrude sealant into openings, gaps or holes surrounding the application. Fill joint opening to maximum capacity and repeat as necessary.

Always apply sealant in a bead form. To ensure neat sealant lines, mask areas adjacent to joints. Once sealant is dry to the touch and does not transfer, remove masking tape.

WeatherMaster ULTIMATE MP Sealant is intended for exterior use. If light colors are used indoors, sealant must be painted.* Painting with a water-based (latex-based) paint may occur two hours after application. For other paint types, a compatibility test is recommended. Once sealant is applied, do not wipe with solvents.

Cleanup

Uncured material may be cleaned with isopropyl alcohol.** After curing, excess sealant must be cut or scraped away. Follow solvent vendor's precautions when using solvents.

For Best Results

Air, sealant and surface temperature should be above 0°F. (-18°C). If joint depth exceeds 1/2", use backing material. Not designed for continuous submersion or use below the waterline. For questions, please call our Help Line 1-800-347-4583 or visit us at titebond.com.

Precautions

CAUTION: EYE AND SKIN IRRITANT. Do not swallow. Do not allow eye contact or prolonged skin contact.

First Aid

If swallowed, do not induce vomiting; contact physician. If eye contact occurs, flush with water for 15 minutes. Wash skin contact areas with soap and water. If irritation from eye or skin contact areas persists, contact physician. Product releases methanol*** during cure. For additional information, refer to Material Safety Data Sheet. **KEEP OUT OF THE REACH OF CHILDREN.**

WARNING: This product contains chemicals known to the State of California to cause cancer, birth defects and/or other reproductive harm. (*translucent*)

* Titebond WeatherMaster ULTIMATE MP Translucent (#71111) is **NOT** paintable.

** Titebond WeatherMaster ULTIMATE MP Translucent (#71111) can be cleaned with mineral spirits or similar solvent before curing.

*** Titebond WeatherMaster ULTIMATE MP Translucent (#71111) releases methyl ethyl ketoxime (MEKO) during cure.



Compliances

This chemically curing sealant exceeds the requirements of:

- ASTM C920, Type S, Grade NS, Class 50*, Use NT, T, G, A and M
- Federal Specification TT-S-002230C, Type II Class A

This chemically curing sealant is tested in accordance with:

- ASTM C1382 for use in EIFS systems
- AAMA 808.3-92 (translucent)

* Titebond WeatherMaster ULTIMATE MP Translucent (#71111) is Class 25

Green Building Compliances

Titebond WeatherMaster ULTIMATE MP Sealant far exceeds the VOC emission standards for both LEED and NAHB. Its ultra low VOC plays a vital role in improving indoor air quality and increases energy efficiency for both the home owner and building occupants. Titebond WeatherMaster ULTIMATE MP Sealant complies with all green building standards including:

- LEED
- NAHB
- CARB
- Green Globes

Typical Properties

PROPERTY	METHOD	RESULTS
Joint Movement Capability, %	ASTM C719	±50 white & colors ±25 translucent
Tear Strength	ASTM D624	35-40 pli/in
Tensile Strength	ASTM D412	275-300 psi white & colors 255 psi translucent
Percent Elongation	ASTM D412	450-500% white & colors 550% translucent
Modulus of Elongation (100%)	ASTM D412	55 psi white & colors 58 psi translucent
Rheological Properties	ASTM C639	No Sag
Extrusion Rate	ASTM C1183	48 mL/min white & colors 45 mL/min translucent
Hardness - Shore A	ASTM C661	15-25
Effect of Heat Aging	ASTM C1246	Pass/No Cracking
Tack-Free Time	ASTM C679	45 min white & colors 20 min translucent
Stain and Color Change	ASTM C510	Non-staining
Bond Durability	ASTM C719	50% glass/vinyl/aluminum white & colors 25% glass/vinyl/aluminum translucent
Adhesion-in-Peel - After UV Exposure Through Glass	ASTM C794	Pass
Effects of Accelerated Weathering	ASTM C793	Pass
Artificial Weathering	ASTM G155	No change @ 2000 hours

Typical Data (Material and curing conditions @75°F (24°C) and 50% R.H.)

PROPERTY	VALUE
Storage Life	18 months in tightly closed containers below 75°F.
Storage Conditions	Store original/unopened containers away from heat and fluctuating temperatures.
Application Temperature	Above 0°F.
Service Range	-75°F to 300°F white & colors -40°F to 350°F translucent
Full Cure	24 hours (1/4" bead or less)
Freeze/Thaw Stability	Stable/ will not freeze white & colors Stable translucent
Flashpoint	Not applicable
Reactive VOC	9 g/L (<0.15% wt.) white & colors 28 g/L (<3% wt.) translucent



Linear Feet of Sealant per Gallon*

		Depth										
Bead		1/4"	3/8"	1/2"	5/8"	3/4"	7/8"	1"	1 1/8"	1 1/4"	1 3/8"	1 1/2"
Width	1/4"	308										
	3/8"	207	137.5									
	1/2"	154	102.9	77								
	5/8"	114.6	76.1	57.1	42.3							
	3/4"	102.9	68.5	51.3	38	34.3						
	7/8"	88.3	58.7	44.1	32.6	29.3	25.2					
	1"	77	51.3	38.5	28.5	25.7	22	19.25				
	1 1/8"	68.5	45.7	34.3	25.4	22.8	19.6	18.7	15.2			
	1 1/4"	61.7	41.1	30.8	22.8	20.5	17.6	15.4	13.7	12.3		
	1 3/8"	56.1	37.4	28	20.7	18.7	16	14	12.5	11.2	10.2	
	1 1/2"	51.3	34.3	25.7	19	17.1	14.7	12.8	11.4	10.5	9.3	8.6

* 12 cartridges equals approximately 1 gallon.

Limited Warranty

If not satisfied with product performance when used as directed, return container and proof of purchase to Franklin International, Inc. for replacement of product. Buyer's sole remedy shall be limited only to the replacement of product exclusive of cost of labor. No other warranties are expressed or implied.

<p>Franklin International 2020 Bruck Street Columbus, Ohio 43207</p> <p>Customer Service: 1-800-669-4583</p> <p>Technical Service: 1-800-347-4583</p>	<p>Important Notice: Our recommendations, if any, for the use of this product are based on tests believed to be reliable. Since the use of this product is beyond the control of the manufacturer, no guarantee or warranty, expressed or implied, is made as to such use or effects incidental to such use, handling or possession or the results to be obtained, whether in accordance with the directions or claimed so to be. The manufacturer expressly disclaims responsibility therefore. Furthermore, nothing contained herein shall be construed as a recommendation to use any product in conflict with existing laws and/or patents covering any material or use.</p>
--	---

For more information, visit www.Titebond.com