

Titebond Construction Adhesive Selection Guide

Products

● = applicable to or true for this product.	GREENchoice Heavy Duty	GREENchoice Professional Drywall	GREENchoice Weatherproof Subfloor	GREENchoice Premium Polyurethane	GREENchoice Projects and Repair	GREENchoice Professional Cove Base	GREENchoice Acoustical Ceiling Tile	PROvantage PRO Heavy Duty	PROvantage Professional Drywall	PROvantage Weatherproof Subfloor	PROvantage Landscape	PROvantage Projects & Repair	PROvantage Interior/Exterior Foamboard	PROvantage Waterproof Tub Surround	Titebond Heavy Duty	Titebond Professional Drywall	Titebond All Weather Subfloor	Titebond Landscape Retaining Wall	Titebond Interior/Exterior	Titebond Panel & Foamboard	Titebond Travelable Multi-Purpose
SPECIFICATIONS AND PROPERTIES																					
CHEMICAL COMPOSITION:																					
Water based	●	●	●		●	●	●														
Solvent based															●	●	●	●	●	●	●
Low VOC solvent based								●	●	●	●	●	●	●	●	●	●	●	●	●	●
Polyurethane				●																	
Calculated VOC Content (g/L)	6.6	3	27	20	6.6	28	3	44	49	49	36	36	36	36	286	389	389	286	310	310	247
Density - pounds/gallon	11.68	11.90	10.13	13.40	11.93	11.50	11.90	10.60	10.60	10.60	10.50	11.20	11.20	11.20	9.00	11.80	9.81	9.00	10.00	10.00	10.60
Calculated VOC Content %	0.47%	0.21%	2.22%	1.25%	0.46%	2.03%	0.21%	3.46%	3.86%	3.86%	2.86%	2.68%	2.68%	2.68%	26.52%	27.51%	33.09%	26.52%	25.87%	25.87%	19.45%
% Solids	75%	74%	69%	98%	75%	77%	70%	66%	67%	67%	67%	71%	71%	71%	65%	74%	67%	65%	74%	74%	80%
Continuous Water Submersion	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Application Temperature Range*																					
F°	40 to 100	over 40	40 to 100	32 to 120	40 to 100	over 40	above 50	0 to 100	10 to 110	0 to 100	0 to 110	40 to 100	40 to 100	40 to 100	0 to 100	10 to 100	0 to 100	0 to 100	0 to 100	0 to 100	above 50
C°	5 to 38	over 5	5 to 38	0 to 49	5 to 38	over 5	above 10	-18 to 38	-12 to 43	-18 to 38	-18 to 43	5 to 38	5 to 38	5 to 38	-18 to 38	-12 to 38	-18 to 38	-18 to 38	-18 to 38	-18 to 38	above 10
Service Temperature Range																					
F°	0 to 120	0 to 120	10 to 120	-20 to 120	10 to 120	0 to 120	0 to 120	-20 to 120	0 to 120	-20 to 120	-20 to 120	-20 to 120	-20 to 120	-20 to 120	-20 to 120	0 to 120	-20 to 120	-20 to 120	-20 to 120	-20 to 120	-20 to 150
C°	-18 to 49	-18 to 49	-12 to 49	-29 to 49	-12 to 49	-18 to 49	-18 to 49	-29 to 49	-18 to 49	-29 to 49	-29 to 49	-29 to 49	-29 to 49	-29 to 49	-29 to 49	-18 to 49	-29 to 49	-29 to 49	-29 to 49	-29 to 49	-29 to 66
SPECIFICATION COMPLIANCE:																					
ASTM D-3498 Subfloor			●					●		●					●		●				
AFG-01 Subfloor	●		●	●				●		●					●		●			●	
CAN/CGSB 71.26 Subfloor																					
ASTM C557 Drywall	●	●	●	●	●			●	●	●	●	●	●	●	●	●	●	●	●	●	●
ASTM E72 Wall System Racking Load		●							●												
CAN/CGSB 71.25 Drywall					●											●	●			●	
ASTM D1779 Acoustical Materials Adhesives							●														
ASTM E84 Surface Burning Characteristics							●														
Flame Rating							3.1														
Smoke Rating							0.0														
NFPA Fire Rating - Class							A														
GREEN BUILDING COMPLIANCE:																					
LEED 2009	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
NAHB National Green Building Standard	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
SCAQMD Rule 1168	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
CARB	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Green Seal (compliant, not certified)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Green Globes (compliant, not certified)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
PART # per	Container Size																				
10 oz								5251		5481	3121	5301	3471	2431	5261		5491				
10.5 oz	7471			4221	5311	3401															
28 oz		7272	4122					5252	5342	5482	3122				5262	5352	5492		3131	3451	
29 oz	7472			4222	5312	3402															
1 gallon								2706							25266						5156
3.5 gallon	7479																				
4 gallon								2704													
5 gallon															5267						5157
52 gallon			4128							5488					5268				3458		

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Products

- = highly recommended
- = recommended
- = not recommended

	GREENchoice Heavy Duty	GREENchoice Professional Drywall	GREENchoice Weatherproof Subfloor	GREENchoice Premium Polyurethane	GREENchoice Projects and Repair	GREENchoice Professional Cove Base	GREENchoice Acoustical Ceiling Tile	PROvantage PRO Heavy Duty	PROvantage Professional Drywall	PROvantage Weatherproof Subfloor	PROvantage Landscape	PROvantage Projects & Repair	PROvantage Interior/Exterior Foamboard	PROvantage Waterproof Tub Surround	Titebond Heavy Duty	Titebond Professional Drywall	Titebond All Weather Subfloor	Titebond Landscape Retaining Wall	Titebond Interior/Exterior	Titebond Panel & Foamboard	Titebond Trowelable Multi-Purpose
APPLICATIONS																					
Interior (without cross ventilation week 1)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Interior (with cross ventilation week 1)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Exterior	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Porous to porous *	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Porous to non-porous *	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Non-porous to non-porous *	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Subfloor to wood floor joists	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Water resistant subfloor to wood floor joists	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Plywood to concrete	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Thin brick or faux stone veneer installation	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Wood Framing to metal	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Drywall to wood studs (with fasteners)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Drywall to metal studs (with fasteners)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Drywall to foam (with fasteners)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Moisture resistant drywall to wood (with fasteners)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Moisture resistant drywall to metal studs (with fasteners)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Moisture resistant drywall to foam (with fasteners)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Tub surround to porous surfaces	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Tub surround to non-porous surfaces	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Wood paneling to various substrates (may need fasteners)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Foam and many plastics to porous surfaces	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Foam to foam or non-porous surfaces	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Glass mirrors to porous surfaces	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Glass mirrors to non-porous surfaces	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Marble sills or counter top applications	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Concrete pavers or retaining wall blocks	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Acoustical ceiling tile to miscellaneous substrates	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

* Porous surfaces readily absorb a drop of water; surfaces with coatings, paint, sealers etc. are assumed to be non-porous.

Some applications may require bracing and/or fasteners to hold materials in place until the adhesive develops full strength. Based on industry norms, some applications require fasteners to be used in addition to an adhesive (i.e. subfloor, drywall, and others.) Our recommendations, if any, for the use of these products are based on tests believed to be reliable. Since the use of these products is beyond the control of the manufacturer, this information should not be used in substitution for customer's tests to ensure that the products are safe, effective, and fully satisfactory for the intended end use. For further questions regarding use, please call our Technical Service Help Line 1-800-347-4583 Monday through Friday 8:00 AM to 6:00 PM EST.

SUBSTRATES

Concrete	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Brick	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Stone/granite	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Marble	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Drywall	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Painted surfaces (well adhered)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Plaster	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Ceramics	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Aluminum	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Steel	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Galvanized metal	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Wood	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Plywood	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Treated lumber	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Vinyl (PVC)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Fiberglass	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
FRP	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
EPS and PU foam	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Recycled rubber	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
EPDM	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

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