



Multifunctional Wetting Agents for Waterborne Coatings

	Tradename	Gloss ¹	Low Foaming ²	HT Block Resistance ³	Freeze Thaw ⁴	Color Acceptance ⁵	Wet Scrub Resistance ⁶	Hiding ⁷	Corrosion Resistance ⁸	Washability ⁹
Nonionic	STEPCOTE™ W-119	○	◐			◐		○		●
	STEPCOTE™ W-133	○			●	○	○	◐		○
	STEPCOTE™ W-722	○	○		●	○	○	○		○
	STEPCOTE™ W-125	○	◐			○				
	STEPCOTE™ W-700		○			◐				●
	STEPCOTE™ W-811	◐				○	◐	○		
	G-3300	○				○				○
Anionic	STEPCOTE™ W-806	●	○		◐	◐	○	●		○
	STEPCOTE™ W-805	●	○		◐	◐	○	●		○
	STEPCOTE™ W-846	●	○		●	○		●		
	STEPCOTE™ W-849	◐				◐	◐	○	●	○
	STEPCOTE™ W-888	●				●	◐	◐	●	
	STEPCOTE™ W-821	●				●	●	●		
	STEPCOTE™ W-839	◐		●		○		○		
	STEPCOTE™ W-843	●		◐		◐		●		
	STEPCOTE™ W-877	○		●		◐	◐	○		

Products tested at 3-4 lbs/100 gallons (active) in 29.8% PVC, all acrylic semi-gloss paint

Relative Performance Rating:

Moderately Improved ○ — ◐ — ● Significantly Improved

¹ ASTM D523, 60 degree gloss reading, performance compared to paint without additive

² Paint brush application to Leneta WB chart, foam dab test with Linzer 2" bristle polyester brush, performance compared to APE commercial additive

³ ASTM D4946, high temperature, 120°F, performance compared to APE commercial additive

⁴ ASTM D2243, compared to paint without additive

⁵ Delta E reading of rubbed verses unrubbed area, pigments used: Red Iron Oxide, Carbon Black and Phthalo Blue, performance compared to APE commercial additive

⁶ ASTM D2486, shim method

⁷ ASTM D2805, compared to paint without additive

⁸ ASTM B117-09, 100 hours, cold rolled steel, rust rating ASTM D610, compared to paint without additive

⁹ ASTM D4828, stains included #2 pencil, purple crayon, red lipstick, coffee, grape juice and betadine; performance compared to APE commercial additive

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	Tradename	Description	VOC Free ¹⁰	APE ¹¹ Free	HLB	Solids, %	U.S. TSCA	Canada DSL/ NDSL	Australia AICS	China IECSC	Japan ENCS	New Zealand NZIoC	Philippines PICCS	REACH ¹²
Nonionic	STEPCOTE™ W-119	Low foaming, improves color acceptance and stain resistance	Yes	Yes	12	100	Yes	DSL	Yes	Yes	Yes	Yes	Yes	Yes
	STEPCOTE™ W-133	Impart freeze thaw stability	Yes	Yes	15	100	Yes	DSL	Yes	Yes	Yes	Yes	Yes	No
	STEPCOTE™ W-722		Yes	Yes	13	95	Yes	DSL	Yes	Yes	Yes	Yes	Yes	No
	STEPCOTE™ W-125	Low foaming, aid in color development	Yes	Yes	13	100	Yes	DSL	Yes	Yes	Yes	Yes	Yes	Yes
	STEPCOTE™ W-700	Enhance stain resistance while boosting color acceptance	Yes	Yes	5	100	Yes	DSL	Yes	Yes	Yes	Yes	Yes	No
	STEPCOTE™ W-811	Promote gloss and wet scrub resistance	Yes	Yes	-	100	Yes	DSL	Yes	Yes	No	No	No	No
Anionic	G-3300	Promotes color acceptance	Yes	Yes	-	90	Yes	DSL	Yes	No	No	No	No	No
	STEPCOTE™ W-806	Increase gloss and hiding while enhancing freeze thaw stability	Yes	Yes	-	100	Yes	DSL	Yes	Yes	Yes	Yes	Yes	Yes
	STEPCOTE™ W-805		Yes	Yes	-	25	Yes	DSL	Yes	Yes	Yes	Yes	No	Yes
	STEPCOTE™ W-846		Yes	Yes	-	45	Yes	DSL	Yes	Yes	Yes	Yes	Yes	No
	STEPCOTE™ W-849	Impart corrosion resistance	Yes	Yes	-	100	Yes	DSL	Yes	Yes	Yes	Yes	Yes	Yes
	STEPCOTE™ W-888		25%	Yes	-	100	Yes	NDSL	No	No	Yes	No	No	Yes
	STEPCOTE™ W-821	Promote gloss, color acceptance and wet scrub resistance	2%	Yes	-	100	Yes	DSL	Yes	Yes	Yes	Yes	No	Yes
	STEPCOTE™ W-839	Promote high temperature block resistance	<1%	Yes	-	50	Yes	No	Yes	Yes	Yes	No	No	Yes
	STEPCOTE™ W-843		7%	Yes	-	100	Yes	DSL	Yes	Yes	Yes	Yes	Yes	Yes
	STEPCOTE™ W-877		<1%	Yes	-	45	Yes	NDSL	No	No	No	No	No	No

¹⁰ U.S. EPA Method 24 ¹¹ APE: Alkyl Phenol Ethoxylate ¹² "Yes" signifies in progress for registration or registration complete under certain tonnage band if procured through Stepan in Europe.

Information was last evaluated in July 2020. We welcome you to engage with one of our Stepan Representatives in effort to outline your global regulatory and supply chain requirements. Please note: It is the responsibility of the end user to review the chemical control regulations for each country where the end product is intended to be sold or used. For REACH registration status inquiries, please contact Stepan Europe Technical Service at tech.service@stepaneurope.com. For other country clearances, consult the product Safety Data Sheet (SDS) or contact Stepan Technical Service at techserv@stepan.com.

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