

The Childers™ products shown in the table below are compliant with the performance standards established for low-emitting materials under the California Department of Public Health (CDPH), the Collaborative for High Performance Schools® (CHPS), and the LEED® v4 Interior Design + Construction (ID+C) and Building Design + Construction (BD+C) Programs.

Materials Analytical Services, LLC (MAS) conducted this test in general accordance with the emission testing guidelines specified under ASTM D5116 and the California Department of Public Health (CDPH) *Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers Version 1.2*. This testing protocol was implemented to bracket similarly formulated, lower emitting products under these tests.

MAS concluded that the predicted airborne concentrations of the CDPH target compounds at the 14-day test point for all products shown below are compliant with the CDPH Standard Method v1.2 maximum concentration limits when modeled to use in both a classroom and private office setting. Qualified project uses of each of these products may be eligible for credit points under the CHPS® and LEED® programs.

Laboratory testing by Materials Analytical Services, LLC and 3rd party product certification by MAS Certified Green®. Copies of product certifications can be provided upon request as well as the test report from MAS.

All products shown below are compliant with the performance standards established for low-emitting materials under CHPS®. All products fall under one of the two following CHPS® criteria:

- Collaborative for High Performance Schools® EQ 7.1.1, Adhesives & Sealants
- Collaborative for High Performance Schools® EQ 7.1.5, Paints & Coatings

Product Description	Product Number	CHPS Criteria	Estimated TVOC Concentration	VOC (g/L)*
INSULATION PRODUCTS				
AK-CRYL™ Weather Barrier Coating	CP-9	EQ 7.1.5	≤ 0.5 mg/m ³	45
VI-CRYL® Weather Barrier Coating - White	CP-10	EQ 7.1.5	≤ 0.5 mg/m ³	45
VI-CRYL® Weather Barrier Coating - Gray	CP-10-1	EQ 7.1.5	≤ 0.5 mg/m ³	45
VI-CRYL® Weather Barrier Coating - Black	CP-10-2	EQ 7.1.5	≤ 0.5 mg/m ³	45
VI-CRYL® Weather Barrier Coating - White	CP-11	EQ 7.1.5	≤ 0.5 mg/m ³	20
VI-CRYL® Weather Barrier Coating - Gray	CP-11-1	EQ 7.1.5	≤ 0.5 mg/m ³	20
VI-CRYL® Weather Barrier Coating - Black	CP-11-2	EQ 7.1.5	≤ 0.5 mg/m ³	20
CHIL-OUT™ Vapor Retarder Coating	CP-33	EQ 7.1.5	≤ 0.5 mg/m ³	49
Vapor Retardant Coating	CP-34	EQ 7.1.5	≤ 0.5 mg/m ³	38
CHIL-PERM® WB Vapor Retarder Coating	CP-35	EQ 7.1.5	≤ 0.5 mg/m ³	36
CHIL-LOW™ Vapor Retarder Coating	CP-38	EQ 7.1.5	≤ 0.5 mg/m ³	33
CHIL-LOW™ Vapor Retarder Coating (Fungus Resistant)	CP-38AF	EQ 7.1.5	≤ 0.5 mg/m ³	36
CHIL-JOINT® Sealant and Flashing Compound	CP-70	EQ 7.1.1	0.5 - 5.0 mg/m ³	85
HVAC ADHESIVES AND SEALANTS				
CHIL-LINE™ WB Insulation Adhesive	CP-125	EQ 7.1.1	≤ 0.5 mg/m ³	8
WB Insulation Adhesive	CP-126	EQ 7.1.1	≤ 0.5 mg/m ³	37
CHIL-QUIK™ Duct Liner Adhesive - White	CP-127	EQ 7.1.1	≤ 0.5 mg/m ³	5
CHIL-QUIK™ Duct Liner Adhesive - Black	CP-127-2	EQ 7.1.1	≤ 0.5 mg/m ³	5
Protective Coating and Lagging Adhesive	CP-137	EQ 7.1.5	0.5 - 5.0 mg/m ³	15
Protective Coating and Lagging Adhesive (Halogen Free)	CP-137 HF	EQ 7.1.5	0.5 - 5.0 mg/m ³	42
Protective Coating and Lagging Adhesive (Fungus Resistant)	CP-137AF	EQ 7.1.5	0.5 - 5.0 mg/m ³	43
CHIL-FLEX™ Non-Fibrated Duct Sealant	CP-146	EQ 7.1.5	≤ 0.5 mg/m ³	24
HVAC Non-Fibrated Duct Sealant	CP-147	EQ 7.1.5	≤ 0.5 mg/m ³	13
CHIL-DUCT™ Fibrated Duct Sealant	CP-148	EQ 7.1.1	≤ 0.5 mg/m ³	45
CHIL-TUFF™ Fibrated Duct Sealant	CP-181-1	EQ 7.1.1	≤ 0.5 mg/m ³	45
HVAC Duct Sealant and Closure Mastic - White	CP-190	EQ 7.1.5	≤ 0.5 mg/m ³	26
HVAC Duct Sealant and Closure Mastic - Gray	CP-190-1	EQ 7.1.5	≤ 0.5 mg/m ³	26

*Less water and exempt solvents. Materials Analytical Services, LLC did not evaluate the VOC content of any material. The VOC content was calculated based on the theoretical VOC contribution of each ingredient in each formulation, measured either using EPA Method 24 (40 CFR 60 Appendix A) or per composition data as reported to us by the supplier (40 CFR 63.827(b)).

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