

Evaluation Table

Product ID:	XXXXX
Manufacturer:	Name of Manufacturer
Product Name:	Name of Product

1002 Paints for Concrete and Masonry

1002 Water Based Acrylic Paint for Concrete and Masonry Surfaces (Acrylic Emulsion Paint)

ADOT Standard Specification: 1002

Responsible Section: Materials Group

Material Property	Specification/ Test Method	Requirement	Results	Pass/ Fail
Mixing	1002-1	All paints specified herein shall be ready-mixed at the manufacturer's plant.		
Product Data Sheet	1002-1	All paints shall be standard paint products of the manufacturer with published product data sheets.		
Specified Use	1002-1	Ready-mixed paint shall be homogeneous, free of contaminants, and shall be of a consistency suitable for the use for which it is specified.		
Pigment	1002-1	The pigment shall be finely ground and properly dispersed in the vehicle, according to the requirements for the type of paint, and this dispersion shall be such that the pigment does not settle appreciably, does not cake or thicken in the paint container, and does not become granular, jelled, or curdled.		
Settlement	1002-1	Any settlement of pigment in the paint shall be easily dispersed with a paddle so as to produce a smooth uniform paint of the proper consistency.		
Additives	1002-1	The manufacturer shall include in the paint the necessary additives for control of sagging, leveling, drying, drier absorption, and skinning.		
Compounds	1002-1	Lead, lead compounds, soluble barium compounds, or hexavalent chromium compounds shall not be used as raw materials in the paint formulas.		
Halogenated Solvents	1002-1	The use of halogenated solvents is not permitted.		

Last Modified: 8/21/2023

Material Property	Specification/ Test Method	Requirement	Results	Pass/ Fail
Containers	1002-1	Paint shall be furnished in new, unopened air-tight containers, which are clearly labeled with the exact title of the paint, Federal Specification number when applicable, name and address of the manufacturer, product code, date of paint manufacture, and the lot or batch number.		
Containers	1002-1	The containers shall meet U.S. Department of Transportation Hazardous Materials Shipping Regulations.		
Labeling	1002-1	Precautions concerning the handling and the application of the paint shall be shown on the label of the paint containers.		
Paint Systems	1002-1	All of the paints of any coating system consisting of individual paints (such as a primer, intermediate coat, and topcoat), shall be made by the same manufacturer, and shall be designed and sold to be used together as a system.		
Acrylic Emulsion Paint: General	1002-2.06	Acrylic emulsion paint shall be used on concrete and masonry surfaces, and shall be a water-based, 100 percent acrylic (acrylic latex) paint.		
Acrylic Emulsion Paint: General	1002-2.06	The color of the final coat of paint shall be as indicated on the project plans. If no color is specified on the plans, the paint color shall approximate that of paint color chip No. 30318, as specified by Federal Test Standard Number 595, when applied to either a concrete test specimen measuring 2 feet by 2 feet, or to the surface of the concrete structure to be painted.		
Accelerated Weathering	1002-3(C)(1) ASTM G154 ASTM D4587	The paint will be applied to concrete mortar panels and weathered in a Q-U-V accelerated weathering tester, according to ASTM G154, for 2000 hours utilizing UVB-313 lamps, and exposure cycle number 4 of ASTM D4587.		

Material Property	Specification/ Test Method	Requirement	Results	Pass/ Fail
Accelerated Weathering	1002-3(C)(1) ASTM G154 ASTM D4587	The paint weathered in this manner shall show no appreciable change in color or appearance due to fading, chalking, or material reaction.		
Adhesion	1002-3(C)(2) ASTM D4541 Method E	The paint shall be applied to a concrete or masonry test surface. After a minimum period of 30 days of outdoor exposure, the adhesion of the paint will be measured. Testing will be performed in accordance with the requirements of ASTM D4541, Method E, with a strength of at least 100 pounds per square inch being required.		
Adhesion	1002-3(C)(2)	Testing will also be performed in accordance with the requirements of ASTM D3359, Method A, with a rating of 3A or higher being required. (3A, 4A, or 5A = pass) (0A, 1A, or 2A = fail)		