



**Texture Plus®**  
EXTRAORDINARILY REALISTIC

[www.textureplus.com](http://www.textureplus.com)

## Freeze - Thaw

— TEST NO. TP01 —

### I. Scope

This test procedure is used to determine the resistance of the paint/polymer system used for the Texture Plus® system against cold checking.

### II. Materials and Equipment

**a.** A combination humidity cabinet, convection oven and cold box or individual components capable of maintaining the following:

Humidity: 100% at 100 degrees F +/- 3.

Oven: 155 degrees F +/- 5.

Cold Box: 20 degrees F +/-4.

**b.** Texture Plus® production coated parts with barrier coat and top coat.

### III. Procedure

**a.** Age finished parts for 1 week at room temperature (77 degrees F)

**b.** Place parts in a rack to allow air circulation between parts at the following cycles in individual test cabinets or a combination testing apparatus:

Humidity 16 hours

Cold Box 4 hours

Convection Oven 4 hours

Room Temperature 2 hours

Convection Oven 2 hours

**c.** Each 24 hours of exposure equals one cycle.

**d.** Examine the parts after each cycle for paint/polymer checking or cracking. Failure usually occurs as a series of irregular lines or fractures.

### IV. Report

**a.** Report and record the condition of each test specimen following each cycle.

**b.** More than two checks or cracks of more than 1-2 inches constitute a failure.

**c.** A paint that passes 3 cycles is acceptable.

**d.** Compare the test results against Texture Plus® standard part.

### V. Results

**a.** The parts tested passed. There were no checks or cracks in the Texture Plus® samples tested.

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