



CREST

Centre for Research in Engineering Surface Technology



Focas Institute, TU Dublin Kevin St. Dublin 8, Ireland

www.tudublin.ie/crest



GAIN MEASUREMENTS PERFORMANCE CERTIFICATE

Product name: Smart Outdoor Projector Screen Paint

Product Code: SSK-PROOUTDOOR4.5

Gain Value @ 90°	1.26
Gain Value @ 120°	1.14
Gain Value @ 140°	0.9
Reflectivity - LRV (CIE Y, D65 @ 8° Observer)	119%
Max Viewing Angle °	110°
VOC	12 g/L

Test Date: July 2022

Test Method: The test surfaces were all coated/mounted on solid boards. The boards were then placed in the vertical position and a test frame was placed touching the base of the sample surfaces. The test frame was built with a movable arm anchored to meet the test surface. A Newport photodetector (Model 884), wired to a Newport Powermeter (Model 843-R) was placed 300mm along the movable arm. A NEC VT650 projector (160W NSH lamp) was fixed 2.0m from the test surfaces and used to project a white image onto the test surface. The image size was fixed at 200 mm x 200 m on the incident surface. The photodetector was moved through an arc using the movable arm at increments of 10° and power readings were recorded for each surface.

Tested by: Centre for Research in Engineering Surface Technology (CREST), TU Dublin

Certified by: Brendan Duffy, Centre Manager

Signature:

Surface Coatings, Corrosion Control, Surface Analysis, Failure Investigation, Specification, Type Approval, Inspection, Fundamental and Applied Industrial Research.