

# Test Certificate



**Date Received** 05<sup>th</sup> July 2021

**Client** FLAG Paints Ltd  
8 Springfield Road,  
Springfield Industrial Estate  
Burnham-on-Crouch,  
Essex,  
CM0 8UA

FAO Ian Cowen

**Sample Submitted** One water-based coating - Chalk Paint

**Work Requested** Water Vapour Permeability (ISO 7783:2018)

**Comments**

**Approved by**

Laura Pilon  
Quality Manager

## Method Summary & Results

### Water Vapour Transmission - Results

Chalk Paint	DFT ( $\mu\text{m}$ )	V $\text{g}/(\text{m}^2\cdot\text{d})$	$S_d$ (m)	$\mu$
1	35.6	5083*	0.004	113
2	37.8	3444*	0.006	157
3	34.1	6399*	0.003	94
<b>Mean</b>	35.8	<b>4975*</b>	<b>0.004</b>	<b>121</b>

\*ISO 7783-2:2018 states that samples giving values higher than  $680\text{g}/\text{m}^2/\text{day}$  are not accurately quantified using the method.

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## Water Vapour Transmission – Method

Water vapour transmission properties were measured according to ISO 7783:2018, wet cup method. The coating was tested in triplicate on a paper support. One coat of paint was applied to the paper substrate using a brush at a spreading rate of 13m<sup>2</sup>/l (approx. 75µm WFT), allowed to dry at 23 °C/50%RH for 7 days and then conditioned according to method A. Samples were sealed (coated side down) to the aluminium cups using rubber gaskets and clamped in place. The test was conducted at 23 °C/50% RH.

### **END OF CERTIFICATE**

*This certificate shall not be reproduced except in full without approval of the laboratory. Results relate only to the item(s) tested and apply to the sample(s) as received.*