

HALE DEFENCE +

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DESCRIPTION	HALE DEFENCE + is a highly durable matt emulsion for walls and ceilings in areas where anti-mould, anti-bacterial and anti-viral properties are required. Suitable for internal and external use in housing, healthcare, education and hospitality.	
USES & BENEFITS	<div>Anti-Bacterial</div> <div>Anti-Viral</div> <div>Anti-Mould</div> <div>Long Life</div> <div>Very Low VOC</div> <div>Scrub Resistant</div> <div>Easy Application</div> <div>Multiple Surfaces</div> <div>Weatherability</div> <div>Durability</div>	<ul style="list-style-type: none"> - Effective against bacteria inc. E-Coli & MRSA - MSL Report Ref: J002048 - Tested specifically against Coronavirus - MSL Report Ref: J001697 - Tested to IBRG DSP20-001/2.0 (2022) and demonstrates total resistance to mould growth. - Permanent Effectiveness - Environmentally Friendly - Withstands abrasion and regular cleaning - Excellent opacity with good sag resistance - Masonry, Plaster, and Concrete - Can be used Internally and Externally - Effective performance up to 7yrs
PHYSICAL PROPERTIES*	<div>Viscosity</div> <div>VOC Content</div> <div>Solids Content % by Volume</div>	<div>: Thixotropic</div> <div>: 25g/ltr – may vary depending on colour</div> <div>: 38 ± 2</div>
FINISH	Matt	
COLOUR	Wide range of colours including clear	
COVERAGE	12m ² /Ltr. This is an approximate figure and will vary according to the porosity and profile of the substrate.	
SURFACE PREPARATION	<p>All surfaces must be thoroughly dry (maximum moisture reading 16%).</p> <p>All surfaces must be clean;</p> <p>PT120 – Alkaline cleaner for previously painted surfaces, wash and rinse with fresh clean water.</p> <p>PT113 – Mould Remover, wash and rinse with fresh clean water.</p> <p>New surfaces: Repair any defects using a suitable filler and wipe down surfaces with a damp cloth to remove any residual dust.</p> <p>Primer - Apply an initial coat of Hale Defence + diluted 3 parts paint with 1 part water.</p> <p>Previously painted surfaces should be free from loose or flaking material.</p> <p>Existing glossy paint should be abraded, dusted down, and primed with a Hale Defence + Primer.</p>	
MIXING & APPLICATION	<div>Brush & Roller</div> <div>HVLP Turbine (1.8-2.0mm Set Up)</div>	<div>: Ready for use</div> <div>: Thin up to 5% with water</div>

	Airless Pump (15-17thou tip) : No thinner Ambient temperature : 15-30°C Surface temperature : >3°C above the dew point
CLEANING	Clean equipment with PT212 (tap water can be used but may not be as effective). If equipment is normally used for applying solvent borne material, it's important to flush through with PT212 before and after spraying Defence +.
DRYING TIMES	Ideal drying conditions include good warm air movement with relative humidity <65% At 20°C Touch dry : 30 Minutes Recoat : 60 Minutes
THINNER	SV109 - Distilled Water (Tap water can be used if necessary but may affect the finish and drying times)
HYGIENE PERFORMANCE	<p>Anti-Viral; Defence + has been tested to ISO 21702:2019 and is certified to reduce Coronavirus (of which SARS CoV-2 is the strain identified to cause COVID-19). Defence + reduces Coronavirus quickly. Instead of the virus lasting several days on a hard-untreated surface it is reduced by 94% in just 2 hours.</p> <p>Anti-Bacterial; Defence + has been tested to ISO 22196:2011 and demonstrates a 3.36 (99.956%) log reduction against E.coli and a 3.45 (99.965%) log reduction against MRSA.</p> <p>Anti-Mould; Defence + has been tested to IBRG DSP20-001/2.0 (2022) and demonstrates total resistance to mould growth.</p>
DURABILITY	Defence + is a long-life paint system for effective service up to 7 years.
LIMITATIONS	Defence + is not intended for use on submerged surfaces or those subjected to prolonged contact with water / condensation.
STORAGE	Store in original container securely closed and in a dry, well-ventilated area away from sources of heat and ignition. (For full text refer to health & safety data sheet). PROTECT FROM FREEZING.
HEALTH & SAFETY	Refer to Health & Safety Data Sheet before using this product. Please observe the precautionary notices displayed on the container. Spray application (if appropriate) should be done under well-ventilated conditions. Do not breathe or inhale mist. Avoid skin contact. Spillage on the skin should immediately be removed with suitable cleaner, soap and water. Eyes should be well flushed with fresh clean water and medical attention sought immediately.
DISCLAIMER	<p>The information contained herein is to the best of our knowledge true and accurate and is given in good faith but without warranty. User will be deemed to have satisfied themselves independently as to the suitability of this product for their own particular purpose. In no event shall Hale Environments Limited be liable for consequential or incidental damages.</p> <p>* VOC and solids content may vary with colour.</p>

For paint system recommendations specific to your job requirements please contact our technical department.



TECHNICAL
DATA
SHEET

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