



TECHNICAL DATA SHEET

HALE HYGIENE +

Compilation date: 21/02/2024
Revision No: 1

DESCRIPTION	<p>HALE HYGIENE + is a direct adhesion, water-borne topcoat, suitable for interior refurbishment. It is formulated using the latest developments in water-borne technology utilising non yellowing acrylic and polyurethanes resins which ensure superb adhesion, excellent hardness and colour retention. Contains active anti-microbial agent and is certified to be effective against coronavirus whilst maintaining its Class O and Class 1 fire rating.</p> <p>Suitable for use in housing, the medical sector and other communal spaces where anti-mould, anti-bacterial and anti-viral qualities are required.</p> <p>Internal hard surfaces only.</p>	
USES & BENEFITS	<p>Very Low VOC</p> <p>Long Life</p> <p>Anti-Bacterial</p> <p>Anti-Viral</p> <p>Anti-Mould</p> <p>Excellent adhesion</p> <p>EN71-3 Compliant</p> <p>Fire resistant</p>	<ul style="list-style-type: none">- BREEAM Certified - Environmentally friendly- Low Maintenance- Effective against bacteria inc. E-Coli & MRSA<ul style="list-style-type: none">• MSL Report Ref: J002048-2- Effective against Coronavirus<ul style="list-style-type: none">• MSL Report Ref: J001493- Effective against Black Mould growth<ul style="list-style-type: none">• IMSL Report Ref: 2023/04/011.1B- Adheres directly to most hard surfaces – melamine, ceramic tile, glass, powder coat, wood, galvanise & most plastics.- Non Toxic- Certified to maintain Classes 0 & 1 (BS476)
PHYSICAL PROPERTIES	<p>Viscosity (DIN 4 at 20%)</p> <p>VOC Content</p> <p>Solids Content % by Volume</p> <p>Mixing Ratio</p>	<p>: 130 ± 10</p> <p>: 68g/Ltr – may vary depending on colour</p> <p>: 35 ± 2</p> <p>: 50:1 (2%) with Bond52</p>
FINISH	Semi-Gloss (50%), Eggshell (30%), Matt (10%)	
COLOUR	Wide range of colours including metallic and clear	
COVERAGE	Theoretical coverage @ 35 microns dft = 10m ² /Ltr	
SURFACE PREPARATION	<p>Remove loose and non-adhering coatings and feather back to a firm edge. Clean to remove surface contamination, organic growth and any grease/oil deposits.</p> <p>PT212 – Low odour degreaser for unpainted surfaces; wipe on, wipe off.</p> <p>PT211 – Silicone free cleaner for glass surfaces; wipe on wipe off.</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>Abrade the surface to provide a key/profile for Hygiene + to adhere to. P240 grade paper for flat surfaces, sanded mechanically or by hand. Equivalent grade fibre pads for preparing irregular shapes e.g. Mirka Mirlon Green.</p> <p>Bare mild steel must first be primed with WB129 Primer to avoid rust bleed.</p> <p>Always prepare a small area and apply Hygiene + test patch.</p> <p>Allow at least 24 hours before checking that the adhesion is acceptable.</p>
MIXING	<p>Add 2ml Bond 52 to every 100ml of Hygiene + Stir the Hygiene + thoroughly first and then add the Bond52 slowly while maintaining brisk stirring for at least 2 minutes. Volumes greater than 1Ltr will require careful mixing with a drill/paddle. Once mixed use within 8 hours.</p>
APPLICATION	<p>Brush & Roller : No thinner</p> <p>Conventional Spray (1.4mm set-up) : Thin up to 5% with SV109 (Distilled Water)</p> <p>HVLP Turbine (1.3-1.8mm Set Up) : Thin up to 5% with SV109 (Distilled Water)</p> <p>Airless Pump (11-13thou tip) : No thinner</p> <p>Ambient temperature : 15-30°C</p> <p>Surface temperature : > 3°C above the dew point</p>
CLEANING	<p>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 Hygiene +.</p>
DRYING TIMES	<p>Ideal drying conditions include good warm air movement with relative humidity <65%</p> <p>At 20°C</p> <p>Dust Free : 10 Minutes</p> <p>Touch dry : 20 Minutes</p> <p>Hard dry : 5 Hours</p> <p>Recoat : 2 hours</p>
THINNER	<p>SV109 - Distilled Water</p> <p>(Tap water can be used if necessary but may affect the finish and drying times)</p>
HYGIENE PERFORMANCE	<p>Anti-Viral; Hygiene + 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). Hygiene + reduces Coronavirus quickly. Instead of the virus lasting several days on a hard-untreated surface it is reduced by 66% in just 2 hours.</p> <p>Anti-Bacterial; Hygiene + has been tested to ISO 22196:2011 and demonstrates a 3.14 (99.928%) log reduction against E.coli and a 3.49 (99.968%) log reduction against MRSA.</p> <p>Anti-Mould; Hygiene + has been tested to IBRG DSP20-001/2.0 (2022) and demonstrates total resistance to mould growth.</p>
DURABILITY	<p>Hygiene + is a long-life paint system for internal applications. Typical refresh period is around 7 years depending on substrate type and level of exposure/ wear.</p> <p>See separate documents for quality certificate and surface maintenance.</p>



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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	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. * VOC and solids content may vary with colour.

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

Hale Environments

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