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**PRODUCT DATA SHEET**


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**SPOT-LESS PLUS**

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| <b>Description</b> | <p>Nippon Paint SPOT-LESS PLUS is an outstanding interior paint with <b>Anti-Stain Technology</b> that makes it an excellent hydrophilic stain repellent with very high resistance to household stains such as tea, wine, coffee, inks, hand marks, lipstick, juice, etc.</p> <p>Besides, SPOT-LESS PLUS is formulated with <b>Silver Ion Technology</b> that is proven 99.9% effective against COVID-19 (SARS-CoV-2), other harmful viruses and bacteria when existing on walls.</p> <p>Long-lasting, beauty and wide range of attractive colors.</p> <p>Note: Excellent hydrophilic stain repellence means that SPOT-LESS PLUS not only has a high ability to resist the penetration of hydrophilic liquid stains but also has beading effects on all these stains. The hydrophilic liquid stain will form into beads on the paint film and roll down the wall, therefore, making the paint surfaces easier to clean.</p>                                                                                                                     |
| <b>Type</b>        | Acrylic Copolymer Emulsion                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Uses</b>        | <p>It is ideal for interior walls and ceilings such as:</p> <ul style="list-style-type: none"> <li>- Cement plasters                      - Brickworks                      - Gypsum board</li> <li>- Concrete                                - Primed wood                      - Fiberboards ...</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Finish</b>      | <p>Low Sheen</p> <p>Colours: Wide range of attractive colours as per colour card. Special colours on request.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Features</b>    | <ul style="list-style-type: none"> <li>- Excellent stain repellent by Anti-Stain Technology to resist the penetration of hydrophilic liquid stains and has beading effects on all these stains</li> <li>- Excellent washability</li> <li>- Anti-viral (effective against harmful viruses such as SARS-CoV-2) by Silver Ion Technology<br/>99.9% effective against COVID-19 (SARS-CoV-2)</li> <li>- Outstanding product with advance colour technology bring the creative experience with many colour choices, beauty and long-lasting colour.</li> <li>- Anti-bacterial (effective against common bacteria such as E. Coli, Staphylococcus Aureus, Salmonella typhimurium, Shigella flexneri, Pseudomonas aeruginosa, Klebsiella pneumoniae, Listeria monocytogenes)</li> <li>- Excellent water resistance and anti-fungus properties</li> <li>- Excellent coverage and hiding power</li> <li>- Extra low odour during application and after drying</li> <li>- Non-toxic, APEO free, does not contain Lead, Mercury and heavy metals</li> </ul> |

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## SPOT-LESS PLUS

|                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                         |               |                       |                                            |               |               |
|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|---------------|-----------------------|--------------------------------------------|---------------|---------------|
|                                         | <ul style="list-style-type: none"> <li>- Low VOCs (containing &lt; 10g/L VOC, meeting the VOC requirement)</li> <li>- Green Label Certificate</li> <li>- Comply with National technical regulation QCVN 08:2020/BCT on the limits of Lead content in paints.</li> </ul> <p><b>NOTE: SPOT-LESS PLUS serves to reduce the transmission of viruses and bacteria through the inactivation process on the painted surface. It does not warranty users' immunity to viruses and bacteria.</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                         |               |                       |                                            |               |               |
| <b>APPLICATION DATA</b>                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                         |               |                       |                                            |               |               |
| <b>Surface Preparation</b>              | <p>The surface must be clean, dry and stable.</p> <p><b><u>Suggested treatment:</u></b></p> <p><u>Dirt/Powder:</u> Clean with a damp cloth and remove the loose powder. Mild detergent may be used.</p> <p><u>Old Paint/Plaster/Putty:</u> Unstable old film/substrate should be removed by chisel, scraper, or power grinder whichever is appropriate. Uneven substrates must be re-plastered with an approved putty/skimcoat.</p> <p><u>Moisture:</u> High moisture will cause paint defects. Observe the following level prior to painting:</p> <ul style="list-style-type: none"> <li>- Masonry: below 16% by Protimeter Mini BLD 2000 Moisture meter</li> <li>below 60% by Lutron MS-7003 Moisture meter</li> </ul> <p>All water seepage must be checked and repaired.</p> <p><u>Algae/Fungus:</u> Remove by chisel or scraper and treat with NIPPON ANTI - FUNGUS SOLUTION. Rinse again with clean water and dry.</p> <p><u>Oil/Grease:</u> Clean off with mild detergent and a little solvent if necessary. Wash thoroughly to remove all traces.</p> |                                         |               |                       |                                            |               |               |
| <b>Application Methods</b>              | Brush, roller or airless spray                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                         |               |                       |                                            |               |               |
| <b>Paint Consumption</b>                | Theoretical: 9.8 - 13.0 m <sup>2</sup> / liter (30 - 40 microns DFT)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                         |               |                       |                                            |               |               |
| <b>Dilution</b>                         | <p>Use clean water</p> <table> <tr> <td>Roller &amp; brush</td><td>- 10% maximum</td></tr> <tr> <td></td><td>Preferable not dilute for best performance</td></tr> <tr> <td>Airless Spray</td><td>- No dilution</td></tr> </table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Roller & brush                          | - 10% maximum |                       | Preferable not dilute for best performance | Airless Spray | - No dilution |
| Roller & brush                          | - 10% maximum                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                         |               |                       |                                            |               |               |
|                                         | Preferable not dilute for best performance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                         |               |                       |                                            |               |               |
| Airless Spray                           | - No dilution                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                         |               |                       |                                            |               |               |
| <b>Spray Application</b>                | <p><u>Airless Spray</u></p> <table> <tr> <td>Delivery Pressure (kg/cm<sup>2</sup>)</td><td>120 - 150</td></tr> <tr> <td>Tip size at 60° angle</td><td>0.017"</td></tr> <tr> <td>Dilution</td><td>No</td></tr> </table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Delivery Pressure (kg/cm <sup>2</sup> ) | 120 - 150     | Tip size at 60° angle | 0.017"                                     | Dilution      | No            |
| Delivery Pressure (kg/cm <sup>2</sup> ) | 120 - 150                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                         |               |                       |                                            |               |               |
| Tip size at 60° angle                   | 0.017"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                         |               |                       |                                            |               |               |
| Dilution                                | No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                         |               |                       |                                            |               |               |
| <b>Recommended Painting System</b>      | <ul style="list-style-type: none"> <li>- 1 - 2 coats NIPPON INTERIOR PUTTY</li> <li>- 1 coat ODOUR-LESS SEALER</li> <li>- 2 coats SPOT-LESS PLUS</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                         |               |                       |                                            |               |               |

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| <b>Recommended Film Thickness</b> | 30 - 40 microns DFT (Dry Film Thickness) per coat for standard application                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Drying Time</b>                | Surface dry: 30 minutes at 30°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Overcoating Time</b>           | 2 hours. Minimum based on normal conditions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Cleaning</b>                   | Wash all equipment immediately after use with clean water                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Storage</b>                    | Keep containers tightly closed. Store in cool, dry and well-ventilated place at temperature between 5 to 40°C.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Packing</b>                    | 1 Liter, 5 Liters & 15 Liters Containers                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Precaution</b>                 | <p>Coverage depends on film thickness, roughness or porosity of the surface, loss during painting, etc.</p> <p>The actual drying time and time before recoating may be shorter or longer, depending on film thickness, temperature, ambient humidity, ventilation, etc.</p> <p>Avoid painting when the temperature is below 10°C and the humidity is over 85%. Avoid direct contact with sensitive skin. Use appropriate protective equipment.</p> <p>For an optimal easy-wash effect, the paint film should be fully dried in 5 days before use. The easy-wash effect will be better if the stains are removed earlier.</p> <p>The stains on the wall can be removed by a soft towel with diluted detergent or disk washing liquid</p> |
| <b>NOTE</b>                       | <i>The information given applies to the product and its performance under specific test conditions. Due to the varied circumstances beyond our control under which the product may be applied, for the specific application, please contact Sales &amp; Marketing Dept of Nippon Paint (Vietnam) Co. Ltd. We reserve the right to modify our product data sheet without further notice.</i>                                                                                                                                                                                                                                                                                                                                             |

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