Radglo® WR

General information

General description:
- A 50% water dispersion of Radglo® JST pigments.
- Daylight and ultra-violet responsive fluorescent pigment dispersion for water based formulations.
- A dyed/pigmented thermoplastic sulphonamide-melamine-paraformaldehyde resin in dispersion.

Applications:
- Aqueous paper coating and water based paints, textile printing inks

Product features
- Radglo® WR has a high color strength and is recommended for a variety of coatings due to the good compatibility in water and numerous binder systems.
- Radglo® WR water dispersions are easy mixable and require no additional grinding for proper dispersion into the binder system.
- Good washing fastnesses on textile applications.
- For aqueous formulations, the use of preservatives is recommended. The right preservative package (combination of bactericides and fungicides) should provide reliable, highly effective control of microorganisms in the intended formulation.
- Limited lightfastness in exterior exposure due to the chemical structure of the fluorescent pigments.

Technical information

<table>
<thead>
<tr>
<th>Physical properties</th>
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</thead>
<tbody>
<tr>
<td>Delivery form</td>
<td>Liquid</td>
</tr>
<tr>
<td>Average particle size</td>
<td>± 3 µm</td>
</tr>
<tr>
<td>Hegman grind</td>
<td>5.5 – 6.5</td>
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<tr>
<td>Viscosity</td>
<td>105 – 120 g (200 RPM Stormer-Krebs)</td>
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<tr>
<td>Solids</td>
<td>50.0 – 51.5 %</td>
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<tr>
<td>Specific gravity</td>
<td>1.1 – 1.2 g/ml</td>
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<table>
<thead>
<tr>
<th>Processing</th>
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<tbody>
<tr>
<td>Heat stability</td>
<td>Limited</td>
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<tr>
<td>Solvent resistance</td>
<td>Recommended use in water, addition of co-solvents should be carefully tested.</td>
</tr>
</tbody>
</table>

Radglo® WR water dispersions offer good storage stability. However, it is advisable to homogenize the dispersion before use.

Standard colors:
- **Product name** | **Description** |
- WR-10 | Chartreuse |
- WR-11 | Green |
- WR-12 | Orange Yellow |
- WR-13 | Orange |
- WR-14 | Orange Red |
- WR-15 | Red |
- WR-16 | Cerise |
- WR-17 | Pink |
- WR-18 | Magenta |

Packaging:
- 1 PE pail = 50kg
- MOQ = 200kg

Storage & shelf life:
6 months when kept in closed original packaging in a dry place at ambient temperature. Dispersion should be protected from freezing.

Safety & regulatory:
- REACH compliant.
- Safety Data Sheet and Regulatory Status (RS) available on request.

**(1)** Test methods and Certificate of Analysis (COA) available on request.