TECHNICAL DATA

PRODUCT CODE/NAME  LWY 31x – IDROFLAT

DESCRIPTION  NEUTRAL W.B. TOPCOAT FOR EXTERIOR

THINNER(S)  Water or LZD 786
for dilution ratio, see PREPARATION OF THE PRODUCT

MAIN FIELD OF USE:
Odorless waterborne topcoat, suitable for the painting of articles for exterior, as windows, fixtures, shutters and doors and however items defined ‘dimensionally stable’.
This product is specifically indicated for the application with conventional airbrush.

PROPERTIES:
It is a top-coat with high elasticity, transparency and resistance to weather conditions and blocking. The presence of UV filter improves the resistance in exterior. The painted support is soft to touch, resistant to scratch and will request low maintenance. Easy to apply, and very good verticality. It does not contain biocide.

CHEMICAL-PHYSICAL PROPERTIES:

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specific Weight (at 20°C/68°F)</td>
<td>8.685 lb/USgal ± 0.100</td>
</tr>
<tr>
<td>Specific Weight (at 20°C/68°F)</td>
<td>1.040 g/l ± 10</td>
</tr>
<tr>
<td>Solid Content % by Volume</td>
<td>37%</td>
</tr>
<tr>
<td>Solid Content % by Weight</td>
<td>39% ÷ 41%</td>
</tr>
<tr>
<td>Viscosity DIN Ø 6 (at 20°C/68°F)</td>
<td>n.a.</td>
</tr>
<tr>
<td>Viscosity Brookfield (at 20°C/68°F)</td>
<td>17,000 cps ± 2,000</td>
</tr>
<tr>
<td>VOCs ( % )</td>
<td>3.15 ÷ 3.45</td>
</tr>
<tr>
<td>VOCs ( lb./USgal)</td>
<td>0.283 ÷ 0.300</td>
</tr>
<tr>
<td>VOCs ( g / l )</td>
<td>34 ÷ 36</td>
</tr>
<tr>
<td>(Average theoretical value according with ISO 3233-3:2015)</td>
<td></td>
</tr>
</tbody>
</table>

PREPARATION OF THE PRODUCT:

<table>
<thead>
<tr>
<th>Component</th>
<th>Volume</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>LWY 31x</td>
<td>10 parts</td>
<td>100%</td>
</tr>
<tr>
<td>Water or LZD 786</td>
<td>0.5-1 part</td>
<td>5-10%</td>
</tr>
</tbody>
</table>

AVAILABLE GLOSS LEVEL

LWY 313 – 30 ± 2  LWY 315 – 50 ± 2
APPLICATION & OPERATIVE CONDITIONS:
For optimal use, in accordance with our experience, we recommend applying the product using airbrush (conventional spray guns).
The product is ready for use; however, it can be diluted with water or LZD 786 at 5-10%

Recommended nozzles: 2.0 up to 3.0 mm

Pump pressure: 3 - 3.5 bar

AMOUNT to APPLY:
250 up to 300 wet microns (10 – 12 wet mils), required amount to ensure an excellent outdoor resistance

SUGGESTED CYCLES:

a) Substrate: Every kind of wood suitable for exterior use
   Stain: LWW 2xx SERIE or LWW 8xx SERIE – IDROSIV (according with the wood)
   Sealer: LWY100 - IDROVER 1 layer
   Sanding: 220-240 grain paper
   Topcoat: LWY 31x - IDROFLAT 1 layer

b) Substrate: Every kind of wood suitable for exterior use
   Stain: LWW 2xx SERIE or LWW 8xx SERIE – IDROSIV (according with the wood)
   Sanding: 280 grain paper or scotch-brite
   Sealer: LWY 31x - IDROFLAT 1 layer
   Drying: 2÷3 hours (no sanding)
   Topcoat: LWY 31x - IDROFLAT 1 layer

DRYING-TIME (at 20°C/68°F)

- Dust-free: 30-40 min.
- Dry to touch: 1.5÷2 hrs
- Over coatable (as self-sealer): 4-6 hrs.
- Thoroughly dry: 24 hrs.

These values may be affected by temperature and weather condition, or by unfavorable environmental conditions.

In any case, it is not advisable to apply the product at temperatures below 5°C (41°F).
NOTES:
During the winter period, to improve the wettability, we recommend the reducing with water or LZD 786.
It is important that the temperature of the environment of application and drying is not less than 5°C (41°F) and that the relative humidity does not exceed 80%.
Under conditions of critical humidity is required an airflow, preferably warm, to allow a perfect drying.

For reducing: it is advisable to use preferably demineralized water.

The Shelf life refers to products preserved in original, sealed containers.

KEEP AWAY FROM FROST.

DO NOT STORE THE PRODUCT AT TEMPERATURES BELOW 5°C (41°C).