

## CELVOLIT® LDM 1871

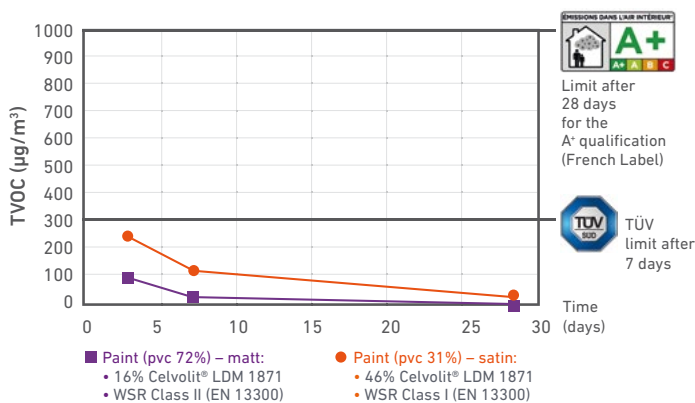
### Key features

- Hydroplastification effect with \*VAE chemistry
- Low emission formulations possible (no need for coalescent)
- Good wet scrub resistance, better than low MFFT \*\*S/A
- Good pigment binding power, allowing cost saving through TiO<sub>2</sub> reduction

### Applications

- Low emission interior matt & satin paints
- Low emission interior masonry paints
- Low emission resin-bound plasters & textured coatings

### Chamber emission tests



\*VAE = Vinyl acetate ethylene    \*\*S/A = Styrene-acrylique

### Coalescent free formulation for low VOC interior paints

Celvolit® LDM 1871 is the first-choice binder for low-emission interior matt & satin paints. Paints formulated with Celvolit® LDM 1871 offer excellent wet scrub resistance and hiding power. Due to the optimized shear stability, this versatile binder can also be formulated into low-emission plasters and textured coatings.

The use of VAE dispersions with MFFT 0°C enables the formulation of paints without any solvents and coalescing agents. Detectable emissions after 28 days are far below the A+ TVOC limit of 1000 µg/m<sup>3</sup>, which is required by the French “Décret”. Even after just seven days, the TVOC emissions are far below the requirements of some non-mandatory labels (e.g. TÜV-Süd).

### Increased hiding power in paints above critical PVC

VAE dispersions also have a positive impact on the hiding power of high PVC interior paints where the polymer acts as spacer between pigments and fillers. By using VAE dispersions, paint manufacturers are able to reduce the use of titanium dioxide, which has a direct positive impact on the paint formulation costs.

### Typical Properties

<b>Chemical base</b>	Vinyl acetate/ethylene
<b>Solid content</b>	52 – 54 %
<b>Brookfield viscosity</b>	1000 – 4000 mPa·s
<b>pH value</b>	4.0 – 5.0
<b>MFFT</b>	approx. 0 °C
<b>Tg</b>	approx. 12 °C

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