

## Technical Data Sheet NR 12791

# ANTI-YELLOWING CATALYST FOR WATER BASED POLYURETHANE - PROVISIONAL TDS

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PRODUCT: CA501 ANTI-YELLOWING CATALYST FOR WATER BASED POLYURETHANE - PROVISIONAL TDS

**DESCRIPTION:** anti-yellowing catalyst for water based polyurethane coatings. It reduces the gloss level of the bicomponent water based matt to which it is added. CA501 is used for the catalysis of transparent top coat AO470G10 to obtain the equivalent version with 5 gloss, and for white matt top coat AOB510G25 to obtain the equivalent version with 10 gloss. The use of CA501 in higher gloss versions of these products reduces the gloss level but results in a film which is mistier than the original versions and is therefore not advised.

### SPECIFICATIONS OF SUPPLIED PRODUCT

Physical state: colourless liquid  
Solid content %: 80±2

**APPLICATION:** the incorporation of CA501 into the first component must be done mechanically, that is, using a drill or a whisk with a toothed spindle. Dispersion must last at least 60 seconds and the spindle must reach a speed of 1000 rpm. Avoid too high a speed and too long dispersion times as this could cause air to become trapped in the product which is difficult to eliminate. We recommend that the turbine diameter is 1/3 of the container's diameter. The result is a vortex that will allow CA501 to be perfectly amalgamated into the paint. Good dispersion of the catalyst guarantees that the film of paint will reach the maximum of its characteristics.

**SHELF LIFE AT 20°C:** 12 months in correctly stored unopened container

**NB:**

- CA501 cannot stand humidity. Close the container well after use.
- CA501 is a colourless liquid. If it becomes cloudy this indicates a loss of its integrity and therefore must not be used.
- During the mechanical dispersion phase avoid too high speeds and long dispersion times, as this could cause air to become trapped in the product which is difficult to eliminate.

**NOTES:** These values are provisional. Precise specifications will not be available until emission of the final TDS

### SPECIFICATIONS OF SUPPLIED PRODUCT

CHARACTERISTICS	UNITS	VALUE	METHOD
Specific gravity at 20°C:	g/ml	1.10 ± 0.05	MP01
Visc. F.C. 4 at 20°C:	sec	45 ± 5	MP04

The quality control value of the viscosity refers to the product immediately after checking. Any variations of the data specified in the technical data sheet could be due to circumstances such as length and conditions of storage.

Always verify the suitability of the product for the job to be done before application. We can not accept responsibility for the outcome.

The information contained in this technical data sheet, as well as any verbal information, is given to the best of our knowledge. We do not accept responsibility for obsolete or incorrect information. The information is to be considered obsolete when a new technical data sheet is issued. Please feel free to contact us to request the latest edition.