

# Tinuvin<sup>®</sup> 5071

## Product description

Tinuvin 5071 is a VOC-free blend of UV absorber and HALS for coatings, printing and packaging, adhesives and sealant applications. It is designed to meet good performance and durability requirements of exterior solvent-based industrial, automotive refinish and architectural coatings

## Key benefits

- Lowest inherent color blend
- Good long-term performances combined with a higher photo-permanence than classical light stabilizer
- Fully preserves dry-film properties such as inherent color, transparency and gloss
- Does not affect other film properties such as water-sensitivity, blocking resistance, hardness and scratch resistance, does not react with other acidic paint components
- Stir-in product: mixes easily in broad spectrum of solvent-based systems without applying high shear forces, disperses homogeneously without addition of co-solvents or any other dispersing aids
- No CMR2 label (H361f), no H317, no H400, no H410, no WGK3

## Chemical nature

Blend of UV absorber and HALS

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## Properties

### Physical form

Very light colored liquid

### Technical data

(not supply specification)

Active content		~ 100.0 %
Dynamic viscosity @ 20 °C	DIN 53019	~ 3021 mPa.s @ 100 s <sup>-1</sup>
Density @ 20 °C	DIN 51757	1.03 g/cm <sup>3</sup>

## Application

Tinuvin 5071 is suitable in all solvent-based formulations and is miscible with most organic solvents

Transportation and refinish coatings

General industrial paints

Architectural coatings

Wood stains and varnishes, wood-care products

Heavy duty maintenance and marine coatings

Adhesives and sealants

1K and 2K PUR (acrylic/NCO, PES/NCO,...)

Thermoplastic systems (acrylic, vinylic,...)

## Formulation guideline

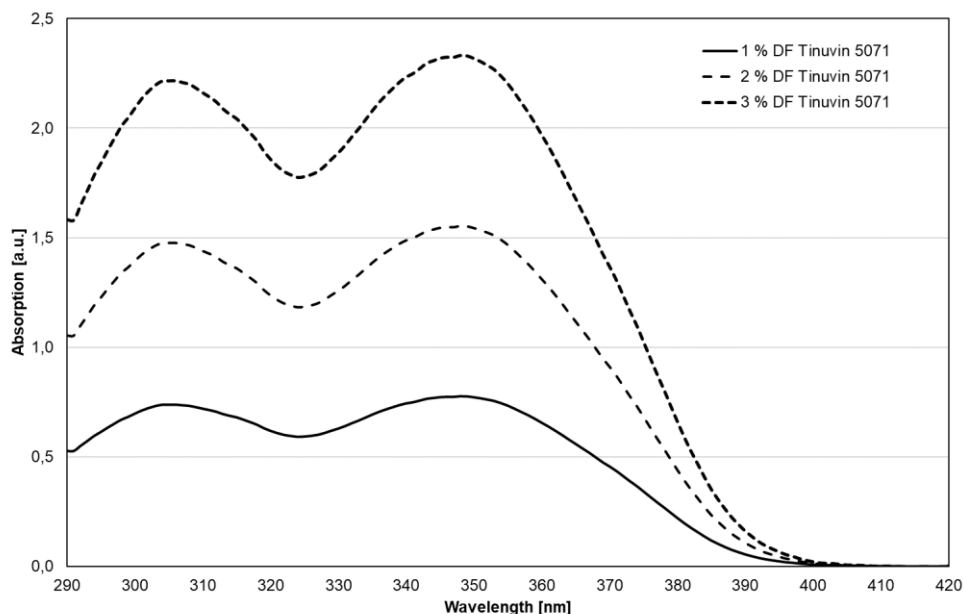
The concentration of Tinuvin 5071 depends on the dry-film thickness and on the desired protection. The amount required for optimum performance should be determined in trials covering a concentration range

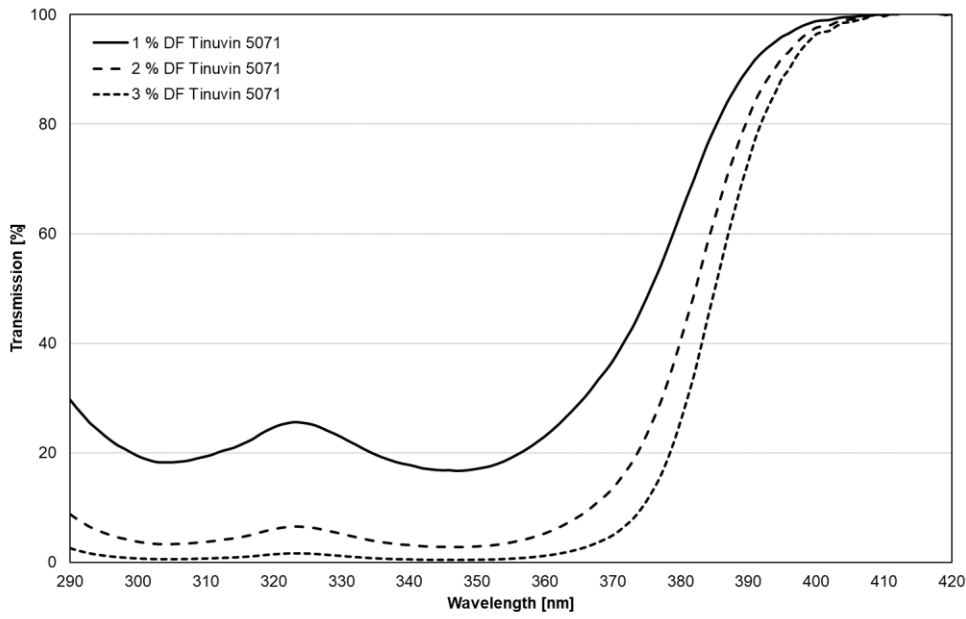
Dry-film thickness [µm]:    Addition of Tinuvin 5071 [% active on total binder solid content]:

40        1.0 – 3.0

60        0.5 – 2.0

The theoretical concentration in an applied 40 µm clear coat was calculated as a function of the concentration in toluene with the help of the Lambert-Beer law. Spectra were recorded in toluene with a light path of 1 cm (DF = delivery form)





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## Storage

When kept in original un-opened containers and at a temperature between +5 °C and +35 °C, Tinuvin 5071 can be stored up to 36 months from date of manufacture