

SPECIALTY CHEMICALS

EVERSORB 84

light stabilizer for coating applications

Introduction:

EVERSORB 84 is a high performance liquid UV light stabilizer blend for coatings, with very high thermal stability. It's suitable for coatings subject to high bake temperatures and extreme environmental conditions. The product is miscible with all common solvents.

EVERSORB 84 is a versatile light stabilizer, which can be used in a wide variety of clear and pigmented coating system. It's particularly recommended for industrial, automotive, wood, plastic and urethane coatings.

Appearance:

Yellow liquid

Dynamic Viscosity at 20°C:

700-1300 mPa.s

Density at 20°C:

0.97 g/cm³

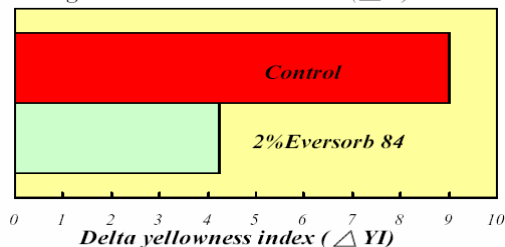
Advantages

- Readily soluble in a wide range of polar and non-polar organic solvents.
- Minimal color contribution.
- Low volatility.

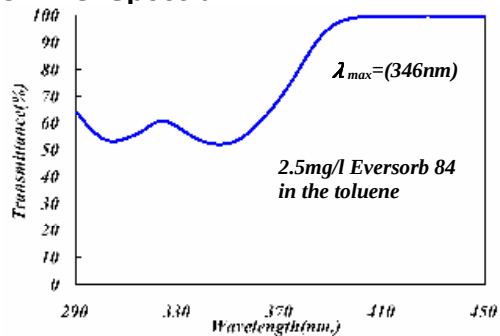
Example of performance data:

System: Polyurethane (PU) Clear Coating
Film forming: Air dry for 6 hours
Exposure Unit: Q-U-V with UVB-313 lamp
Test Methods: ASTM G154
Dosage: 2% Solid content

Fig.1-1 Delta Yellowness Index (ΔYI)

**Solubility at 25°C (g/100g solvent)**

Butylcarbitol : >50
Butyl acetate : >50
Xylene : >50
1-Methoxy-2-propylacetate : >50
MEK : >50
Water : < 0.1

UV-Vis. Spectrum**Handling & Safety:**

Personal equipment for protection is recommended. Excess exposure to the product should be avoided. Wash thoroughly after handling.

Storage:

EVERSORB 84 should be kept in a dry, dark place without any light exposure.

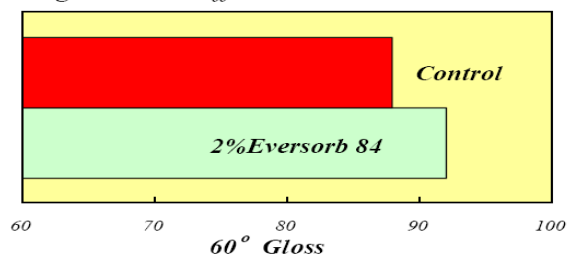
Application: Spray

Film Thickness: 80 microns (wet); 20 microns (dry)

Exposure Time: 1000 hours

Gloss Retention and Yellowness Index: ASTM G53

Fig.1-2 Gloss Difference



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