

Introduction

Chiguard® W-5491 (W-5491) is a highly effective waterborne UV stabilizer for wood coatings. It can achieve a better color protection with a lower dosage. Lignin is sensitive to UV and turns yellow rapidly, while W-5491 shows a robust performance window after several different test environments.

Key features and benefits

1. Extremely low emulsion agent content to lessen the foaming issues
2. Instantly miscible with waterborne resins
3. Free of solvents or coalescing agents
4. Does not affect the flowability of the resulting coatings.
5. The UV absorption is more red-shifted, compared to its predecessor, W-5481.

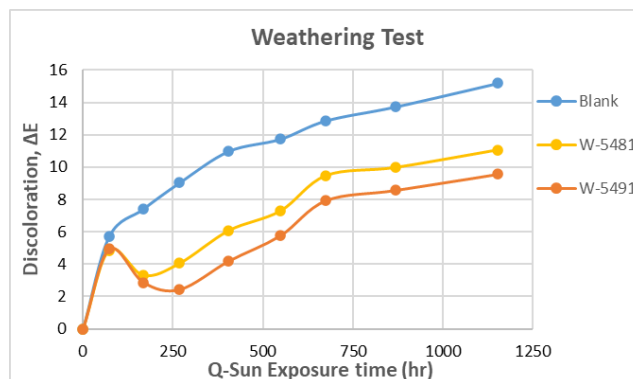
Composition

Active ingredients : UV absorbers and Light stabilizers

Physical Data

pH	: 7~8.5
Solid content	: 31~34 %
Active content	: 29~31 %
Appearance	: Pale pink milky emulsion
Particle	: < 500 nm
Density	: 1.02 g/cm ³

Application data of Wood coatings



Experiment conditions:

1. Substrate: southern pine
2. Total active content: 3%
3. Resin: waterborne acrylate
4. Aging test: Q-Sun exposure

Storage

Shelf life is 9 months from the date of manufacture if stored at ambient temperature and the seal remains intact. Once opened, make sure the cap is tightly closed to prevent the evaporation of water. A storage temperature below 10°C or above 40°C must be avoided because this will have a detrimental effect on the quality of the product. Should separation occur due to prolonged storage, contact the company for assistance.

Packaging

20 kg plastic drum