Lankem

Technical Data Sheet

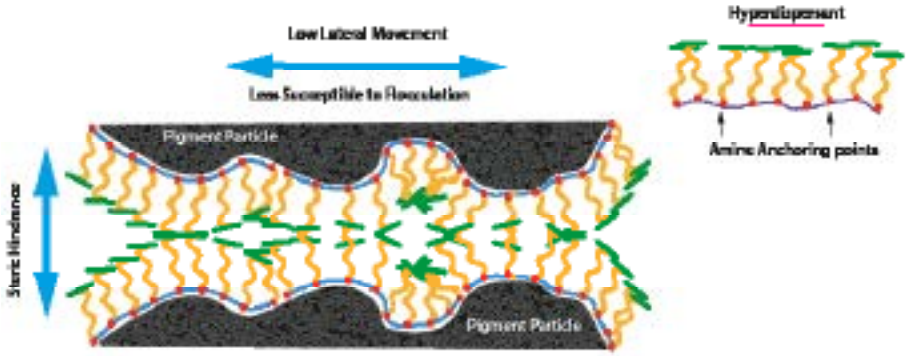
Lansperse UV51

Hyperdispersant - UV and LED cured Systems

Description

Dispersing agents are used extensively in the coatings industry to help disperse solid particles into a liquid medium.

Dispersing agents perform by the anchoring of the surfactant onto the particle substrate and then acting as a barrier to stop re-agglomeration of the particles. This concept is often referred to as steric stabilisation. The new hyperdispersant has three functions, firstly a powerful amine anchoring group that latches onto the pigment substrate, secondly a tail section that floats within the solvent medium and thirdly a capping group that further enhances steric hindrance between pigment particles Lansperse UV51 has been specifically designed to offer optimum performance in monomer systems commonly used in UV formulations.



Key Features

- Based on NEW technology
- Capping groups designed for monomer systems
- Powerful dispersing properties
- Enhanced steric hindrance
- Good colour strength
- Low flocculation
- VOC free
- Fast particle size reduction

Specification

Appearance:	Amber solid
Colour Gardner:	15 max
Solids Content %:	100

Applications

Dispersing agents for:

- Organic Pigments in monomer systems

Typical Properties

Composition:	Complex Hyperdispersant
Odour:	Characteristic
Viscosity at 25°C (cP):	Not determined - solid
Specific Gravity at 50°C:	1.04
Pour Point °C:	34
Flash Point Closed Cup °C:	>150

Formulation Guide

	Lansperse UV51 addition level
Orange 34 30%	6%
Red 112 30%	6%
Green 7 20%	6%
Black 7 30%	3%

	Lansperse UV51 addition level
Red 57.1 30%	6%
Violet 23 20%	4% with 1% Lansperse SYN50
Blue 15.3 20%	4% with 1% Lansperse SYN50
White 6 60%	5%

The above millbases are then let-down to produce an Ink formulation

	%
Millbase	40 - 60
UV Oligomer	15 - 25
UV Monomer	15 - 25
Photo-initiator	5 - 15

Packaging and Storage

Lansperse UV51 can be supplied in 200kg or 25kg steel drums

Stainless steel, polyethylene or glass lined equipment is necessary for the storage of Lansperse UV51 in order to prevent corrosion and subsequent contamination. This material can separate on standing and at low temperatures. May require agitation and warming prior to use.

Regulatory Information

Please refer to Safety Data Sheet.

All information, recommendations and suggestions appearing in the literature concerning the use of the product are based upon tests and data believed to be reliable. However it is the users responsibility to determine the suitability for their own use of the products described here. For non English datasheets translation has been carried out using translation software, Lankem accepts no liability due to errors that occur during translation. Typical properties are based on our own measurements and do not constitute part of the sales specification.