

Compatibilizer for Universal Tinting Systems

Description

Lansperse UT57 is a unique readily biodegradable anionic product that overcomes the issues of incompatibility of waterborne colourants with solvent based decorative alkyds, acrylics and water thinnable alkyd-based paints.

This results in:

- Maximum color development of the colorant
- Higher pigment loading
- Optimum color acceptance of the colorants in the base-paints

Typical Properties

Appearance:	Clear brown liquid free from foreign matter
pH (2% Aqueous):	3.0 - 6.0
Viscosity at 25°C (cP):	~ 2500
Specific Gravity at 20°C:	1.028
Pour Point °C:	<10
Flash Point Closed Cup °C:	>150

Key Features

- Ease of use can be added to the millbase or as a post additive
- Improves compatibility
- Reduces rub-out (floculation)
- Improves colour acceptance and hence stronger tints
- Suitable for both inorganic and organic pigments

Applications

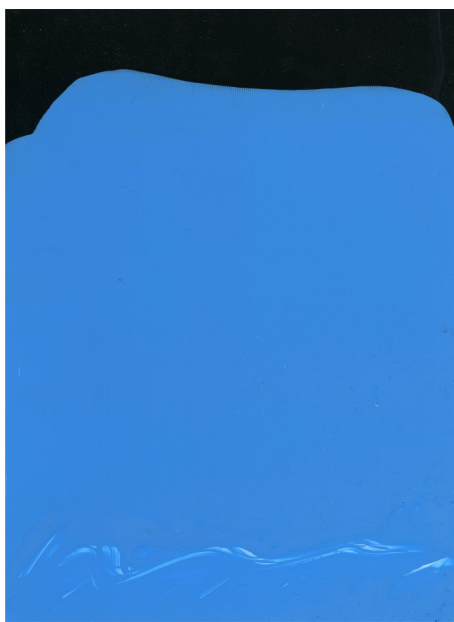
- Universal decorative tinters
- Architectural paints

Typical usage levels are 1 – 8% on the total formulation

We would always advise a ladder study to determine the optimum dosage levels.

Universal Tinters Blue 15.3

The following Drawdown shows a high surface area pigment with no flocculation in a high VOC gloss paint:



Universal Tinters Blue 15.3 Tint



Tinter Formulation Blue 15.3

Ingredient	Kgs	%	Addition Order
Water	207	32	1
Smectite Clay	2	0.3	2
Lansperse DS80	13	2	3
Lansperse DS200W	32	5	4
Defoamer AR2	0.6	0.09	5
PEG400	69	10.64	6
BIOCIDE	3	0.46	7
Blue 15.3 Pigment	201	31	8
Barium Sulphate	68	10.41	9
Lansperse UT57	52	8	10
Monoethanolamine	0.75	0.1	11

Very important addition order, 2 must be added to 1 slowly to disperse followed by 3. HSS to fully stabilise.

Universal Tinters Green 7

Tinter Formulation

Ingredient	Kgs	%	Addition Order
Water	203	30	1
Smectite Clay	1.35	0.2	2
Lansperse DS80	9.09	1.35	3
Lansperse DS200W	34	5	4
Defoamer AR2	0.3	0.04	5
PEG400	108.52	16.08	6
BIOCIDE	3.43	0.5	7
Green 7 Pigment	77.76	12.2	8
Water	21.6	3.2	9
Barium Sulphate	162	24	10
Lansperse UT57	54	8	11
Monoethanolamine	0.75	0.11	12

Very important addition order, 2 must be added to 1 slowly to disperse followed by 3. HSS to fully stabilise.

The following Drawdown shows a high surface area pigment with no flocculation in a high VOC gloss paint:



Universal Tinters Green 7 Tint



Universal Tinters Yellow 42

The following Drawdown shows a high surface area pigment with no flocculation in a high VOC gloss paint:



Universal Tinters Yellow 42 Tint



Tinter Formulation Yellow 42

Ingredient	Kgs	%	Addition Order
Water	271.52	23.61	1
Smectite Clay	8.05	0.7	2
Lansperse DS80	50.60	4.4	3
Lansperse DS200W	52.90	4.6	4
Defoamer AR2	1.50	0.13	5
PEG400	72.45	6.3	6
BIOCIDE	1.15	0.1	7
Yellow 42 Pigment	655.50	57	8
Lansperse UT57	35.19	3.06	9
Monoethanolamine	1.15	0.1	10

Very important addition order, 2 must be added to 1 slowly to disperse followed by 3. HSS to fully stabilise.

Packaging and Storage

Lansperse UT57 can be supplied in IBC's, 200kg or 25kg nett drums.

Stainless steel, polyethylene or glass lined equipment is necessary for the storage of Lansperse UT57 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.