

DISPERPLAST-1142

Solvent-free, wetting and dispersing additive for PVC plastisols, adhesives, and sealants as well as ambient-curing resin systems for reducing viscosity and improving the dispersion of filled and pigmented systems.

Product Data

Composition

Polar, acidic ester of long-chain alcohols

Typical Properties

The values indicated in this data sheet describe typical properties and do not constitute specification limits.

Acid value: 85 mg KOH/g
Density (68 °F): 8.80 lbs/US gal
Refractive index (68 °F): 1.467
Flash point: 253 °F

Food Contact Legal Status

For the current food contact legal status, please contact our product safety department or visit www.byk.com for further information.

Storage and Transportation

Separation or turbidity may occur when stored and transported below 10 °C (50 °F). Warm to 30-60 °C (86-140 °F) and mix well. Moisture sensitive. Store dry.

Applications

PVC Plastisols

Special Features and Benefits

DISPERPLAST-1142 reduces the viscosity of pigmented and filled PVC plastisols. It is particularly recommended for inorganic pigments and fillers. The product enables a greater solids content, improves the color strength of the pigments and shortens dispersion time.

Recommended Levels

Amount of additive (as supplied) based upon solids:

Inorganic pigments: 1-3 %
Organic pigments: 5-7 %
Inorganic fillers: 1-3 %
Blowing agent: 1-2 %
Zinc oxide: 1-3 %

The above recommended levels can be used for orientation. Optimal levels are determined through a series of laboratory tests.

Incorporation and Processing Instructions

The additive should be added to the liquid components prior to incorporating the solids.

Adhesives & Sealants

Special Features and Benefits

DISPERPLAST-1142 reduces the viscosity of filled adhesives and sealants. It is particularly recommended for polyurethane systems and for systems that contain a plasticizer. The product reduces the viscosity and through this permits a greater solids content.

Recommended Levels

Amount of additive (as supplied) based upon solids:

Inorganic pigments: 1-3 %
Organic pigments: 5-7 %
Inorganic fillers: 1-3 %

The above recommended levels can be used for orientation. Optimal levels are determined through a series of laboratory tests.

Incorporation and Processing Instructions

The additive should be added to the liquid components prior to incorporating the solids.

Ambient-Curing Resin Systems

Special Features and Benefits

DISPERPLAST-1142 is used in acrylate systems (PMMA in MMA) for pigment stabilization and is suitable for both inorganic and organic pigments.

Recommended Levels

Amount of additive (as supplied) based upon solids:

Inorganic pigments: 1-3 %
Organic pigments: 5-7 %
Inorganic fillers: 1-3 %

The above recommended levels can be used for orientation. Optimal levels are determined through a series of laboratory tests.

Incorporation and Processing Instructions

The additive should be added to the liquid components prior to incorporating the solids.



BYK USA Inc.
524 South Cherry Street
P.O. Box 5670
Wallingford, CT 06492
USA
Tel 203 265-2086
Fax 203 284-9158

cs.usa@byk.com
www.byk.com

ANTI-TERRA®, BYK®, BYK®-DYNWET®, BYK®-SILCLEAN®, BYKANOL®, BYKETOL®, BYKJET®, BYKOPLAST®, BYKUMEN®, CARBOBYK®, DISPERBYK®, DISPERPLAST®, LACTIMON®, NANOBYK®, PAPERBYK®, SCONA®, SILBYK®, VISCOBYK®, and Greenability® are registered trademarks of BYK-Chemie. ACTAL®, ADJUST®, ADVITROL®, ASTRABEN®, BENTOLITE®, CLAYTONE®, CLOISITE®, FULACOLOR®, FULCAT®, GARAMITE®, GELWHITE®, LAPONITE®, MINERAL COLLOID®, OPTIBENT®, OPTIFLO®, OPTIGEL®, PURE THIX®, RHEOCIN®, RHEOTIX®, RIC-SYN®, TIXOGEL®, and VISCOSEAL® are registered trademarks of BYK Additives. AQUACER®, AQUAMAT®, AQUATIX®, CERACOL®, CERAFAK®, CERAFLOUR®, CERAMAT®, CERATIX®, HORDAMER®, and MINERPOL® are registered trademarks of BYK-Cera.

The information and data stated herein, although in no way guaranteed, are based upon tests and reports considered to be reliable and are believed to be accurate. No warranty, either expressed or implied, is made or intended. Use by a customer should be based upon their own investigations and appraisals. Any recommendation should not be construed as an invitation to use a material in infringement of patents. This issue replaces all previous versions – Printed in the USA