

BYK-S 740

Styrene emission suppressant for unsaturated polyester resins. Reduces monostyrene emission in orthophthalic resins by up to 90 %. The interlaminar adhesion of polyester resin laminates is not affected.

Product Data

Composition

Solution of hydroxypolyesters with paraffin wax

Typical Properties

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

Acid value:	< 7 mg KOH/g
Density (40 °C):	0.86 g/ml
Refractive index (40 °C):	1.456
Flash point:	66 °C
Supplied as:	Paste

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 during storage and transportation. Mix well before use.

Applications

Ambient curing resin systems

Special Features and Benefits

BYK-S 740 is a highly effective additive for reducing monostyrene emission in orthophthalic resins for open mold processing techniques. Using the product does not adversely affect interlaminar adhesion.

Recommended Use

BYK-S 740 is particularly recommended for orthophthalic resins and can also be used in isophthalic resins.

Recommended Levels

0.5-1 % additive (as supplied) based on the total formulation.

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

Incorporation and Processing Instructions

BYK-S 740 should be added to the resin whilst stirring before adding other formulation components. If you require even easier handling, we recommend melting the product (max. 40 °C) and stirring the liquid BYK-S 740 into the resin. If melting is not possible, incorporating 5-20 % monostyrene creates a soft paste, which readily dissolves in the resin. The mixture of BYK-S 740 and monostyrene should not be stored any longer than 24 hours and should be mixed well before processing.

Special Note

In non-thixotropic resins, BYK-S 740 tends to flocculate and floats to the resin surface during storage. In the case of separation, the resin must be stirred before processing. To achieve good storage stability of BYK-S 740 in non-thixotropic resins, 0.2-0.5 % BYK-LP W 6236 can be used in combination with BYK-S 740.



Additive Guide



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This issue replaces all previous versions – Printed in Germany