

BYK-S 740 N

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.

Density (40 °C): 0.88 g/ml
Flash point: 103 °C
Refractive index (40 °C): 1.464
Delivery form: paste

Storage and transportation

Separation may occur. Mix well before use.

Applications

Thermosets

Special features and benefits

BYK-S 740 N 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 N 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. The optimum dosage should be determined by application-related test series.

Incorporation and processing instructions

BYK-S 740 N 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 N 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 N 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 N 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 N in non-thixotropic resins, 0.2–0.5 % BYK-LP W 6236 can be used in combination with BYK-S 740 N.



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This issue replaces all previous versions.