

Technical Datasheet

INEOS Composites

ENGUARD™ BP 72 A Multi Purpose Bonding Paste

ENGUARD BP 72 A is a pre-accelerated bonding paste based on unsaturated polyester resin, with good mechanical properties. ENGUARD BP 72 A has a low filler content and a high thixotropy level avoiding sagging and making application easy.

Typical properties of bonding paste

Property at 23 °C	Value	Unit	Method
Density	1,2	kg/dm ³	ISO 2811
Geltime, 2% MEKP-50	10	min	D 006
Hardening time, 2% MEKP-50	3	hours	QC 36
Complete hardening	72	hours	

Typical properties of cured bonding paste

Property	Value	Unit	Method
Tensile strength	30	MPa	ASTM C297
Shear strength	29	MPa	R 028
Compression strength	142	MPa	R 029
Hardness	30	Barcol	ASTM D2583

Application and use

ENGUARD BP 72 A bonding paste is suitable for use in the marine, building/sanitary, tanks/silos and transport/panel industry. ENGUARD BP 72 A is used for adhesion of polyester laminates and/or adhesion of polyester laminates to balsa, PVC or PU foam in sandwich structures.

Certificates and approvals

The manufacturing, quality control and distribution of products, by INEOS Composites, are complying with one or more of the following programs or standards: ISO 9001, ISO 14001 and OHSAS 18001.

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Handling and storage It is highly recommended that all materials and tools are stored at stable temperature under 25 C preferably indoors and away from direct sunlight. Surfaces to be bonded must be cleaned eg. with acetone or by grinding. A high quality methyl ethyl ketone peroxide (MEKP) should be used between 1-2%. The bonding paste with catalyst must be stirred well before taken in use.

The material should be used within 5 months from the date of manufacture. Prolonged storage or storage outside of recommended conditions can influence liquid bonding paste properties like viscosity and gel time and it is recommended to test these properties before starting application.

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INEOS Composites requests that the user reads, understands and complies with the information contained herein and the current Material Safety Data Sheet.