

Technical Datasheet

INEOS Composites

ENGUARD™ BP 1001 ARCW Low Density Casting Paste

ENGUARD BP 1001 ARCW is a pre-accelerated, low density casting paste based on semi rigid isophthalic and ISO/NPG resins. ENGUARD BP 1001 ARCW is grey pigmented and contains a peroxide indicator. ENGUARD BP 1001 ARCW offers excellent bonding properties with low shrinkage, good flexibility and hydrolysis resistance and easy to apply due to low viscosity.

ENGUARD BP 1001 ARC is recommended for filling technicals parts before injection or infusion in order to avoid bubbles behind gelcoat.

Typical properties of the bonding paste

Property	Value	Unit	Method
Density	0,93	kg/dm ³	QC 16
Geltime at 23°C, 1,5 % MEKP-50	90	min	QC 7
Hardening time at 20 °C	5	hours	QC 36
Complete hardening at 20 °C	72	hours	
Shrinkage, linear	1	%	ASTM D 2566-7

ENGUARD BP 1001 ARCW casting paste is especially recommended for use in the marine, or panels or building/sanitary industry, applied by brush or spatula.

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.

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.

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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

Notice

All information presented herein is believed to be accurate and reliable, and is solely for the user's consideration, investigation and verification. The information is not to be taken as an express or implied representation or warranty for which INEOS Composites assumes legal responsibility. Any warranties, including warranties of merchantability, fitness for use or non-infringement of intellectual property rights of third parties, are herewith expressly excluded.

Since the user's product formulations, specific use applications and conditions of use are beyond the control of INEOS Composites, INEOS Composites makes no warranty or representation regarding the results which may be obtained by the user. It shall be the sole responsibility of the user to determine the suitability of any of the products mentioned for the user's specific application.

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