

DEPOL KS-3 is pre-accelerated high performance bonding composite based on high quality vinyl ester resin. It is used for bonding fiberglass laminates together in the process of building the final product, as well as for bonding with various materials (metal surfaces, plywood, chipboard, ceramics, polymer concrete, etc).

GENERAL PROPERTIES AND FIELD OF APPLICATION

The composite can be used in manufacture of resin concrete items (imitation marble, granite), manufacture of sanitaryware products; it also has wide marine and automotive industry application.

The composite has a wide range of geltime with slight variation of added hardener (MEKP).

The thickness of the bonding joint can vary from 0,5 mm up to 20 mm with no risk of cracking after curing.

The composite should be applied under the following conditions: temperature 18-25⁰C, ambient humidity 70%. Methyl-ethyl ketone can be used as the composite hardener (MEKP catalyst). Before the glue application the surfaces must be degreased.

1. GLUE CHARACTERISTICS WHEN SUPPLIED

Properties	Unit of measurement	Characteristic	Method
Appearance		Non transparent grey pinkish substance	Visual
Gel time, at 20 ⁰ C 2% (MEKP)	мин	20-60	Методика ДУГАЛАК
Dynamic Brookfield viscosity RV at 23 ⁰ C, speed 3, spindle T-E	мПа*с	400000-600000	ISO 2555-89
Flash points	⁰ C	31	ISO 3679
Shrinkage, below	%	2	ASTM D256-69

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2. PHYSICAL AND MECHANICAL PROPERTIES OF THE GLUE

Properties	Characteristic	Unit of measurement	Method
Tensile strength	mPa	40-50	ISO 527-1993
Elongation	%	2	ISO 527-1993
Tensile modules	mPa	3000-3500	ISO 2555-89
Barcol harness	units	35-40	ASTM D 2583-99
HDT	⁰ C	70	ISO 75-1993

3. STANDARD PACKING

The DEPOL KS-3 is supplied in 20 kg metal containers

4. STORAGE

Warranty period: 3 months

Storage conditions: store in original packaging in confined space, away from heat sources, at temperature not exceeding 25°C, avoid direct sunlight.

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