

**DEPOL KS-2** is pre-accelerated high performance bonding composite based on high quality vinyl ester resin. The connecting seams formed with this composition acquire exceptional durability and crack resistance. 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 has extensive marine and automotive industry application, and can be also used for manufacture of pipes, tanks, septic tanks and sewerage pumping stations.

The thickness of the bonding joint can vary from 0,3 mm up to 20 mm with no risk of cracking after curing.

The composite cures without sagging even at the thickness of 20 mm

The composite should be applied under the following conditions: temperature 18-25<sup>0</sup>C, 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 <sup>0</sup> C<br>2% (MEKP)                                   | мин                 | 20-120                                 | Методика<br>ДУГАЛАК |
| Dynamic Brookfield viscosity RV<br>at 23 <sup>0</sup> C, speed 3, spindle T-E | мПа*с               | 1000000-1200000                        | ISO 2555-89         |
| Flash points  | <sup>0</sup> C      | 31                                     | ISO 3679            |
| Shrinkage, below  | %                   | 2                                      | ASTM D256-69        |

[www.dugalak.com](http://www.dugalak.com)

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| Properties       | Characteristic | Unit of measurement | Method         |
|------------------|----------------|---------------------|----------------|
| Tensile strength | mPa            | 45-55               | ISO 527-1993   |
| Elongation       | %              | 2-3                 | ISO 527-1993   |
| Tensile modules  | mPa            | 3400-3800           | ISO 2555-89    |
| Barcol harness   | units          | 35-40               | ASTM D 2583-99 |
| HDT              | <sup>0</sup> C | 75                  | ISO 75-1993    |

### 3. STANDARD PACKING

The DEPOL KS-2 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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