

ISOPHTHALIC GELCOAT G-2-A-S



Thixotroped unsaturated polyester

- Description:** It is a thixotroped, pre-accelerated, isophthalic, unsaturated polyester resin with work viscosity, suitable for spraying with a spray pistol.
- Use:** The polyester isophthalic gelcoat G-2-A-S is used for production of the facial coat of articles made of fibreglass and polymer marble. It is used in ship and yacht building, in production of sanitary equipment, industrial parts, tanks, pools and reinforced glass articles.
The hardening is carried out by addition of 2,0 % MEKP-50 (Butanox M-50).
- It gives the articles resistance to impact, light resistance and resistance to ageing;
 - It is designed for spraying with a spray pistol;
 - It may be pigmented with organic and inorganic pigment pastes;
 - Unsaturated polyester resins, reinforced with glass mat may be applied over it.
- Classification:** Meets the requirements of the EU legislation.

CHARACTERISTICS

INDEXES	NORM
Appearance after stirring: (Visually)	Pink-coloured thixotropic liquid
Non-volatile content, 125°C/1 h: (BNS EN ISO 3251)	61±2 %
Viscosity Brookfield at 25°C, sp. 4, 20 rpm: (ISO 2555)	3 500-7 000 mPa.s
Gelling time at 25°C: (BNS ISO 2535)	10-18 min.

Thixotropic index
sp.4, 2/20 rpm:
 (ASTM D 2196-05 (B))

min. 4,0

OTHER DETAILS

Density at 20°C:
 (BNS ISO 2811-1)

1,14 g/cm³

Flash point, closed cup:
 (BNS ISO 2719)

32°C

Application:

Isophthalic gelcoat G-2-A-S is hardened with the following hardening system: Add to 1000 g resin 20 g MEKP-50 Hardener (Butanox M-50), homogenize the mixture well and then use for preparation of details. Mixture pot life is from 10 to 18 minutes and depends on the resin temperature, as the process of gelling accelerates at a temperature higher than 25°C, and the lower temperature retards gelling time.

Method of application:

With spray pistol

Cleaning of the tools:

Acetone, butyl acetate, ethyl acetate, nitrocellulose thinner

Packaging:

In metal cans

Storage:

Isophthalic gelcoat G-2-A-S is stored in tightly closed packaging in sheltered, dry and fire protected storage areas, away from direct sunlight at temperatures of up to 25°C. Prolonged storage can reduce the effect of the accelerator. An addition of 0,5-1,0% Co-1% may be necessary to restore the original potlife.

Shelf life – 4 months from production date in factory-sealed packaging.

Hygiene, safety work and ecology:

Refer to the Material Safety Data Sheet for further information on the safe storage, use and handling of Isophthalic gelcoat G-2-A-S. The Material Safety Data Sheet (MSDS) should always be read and understood thoroughly before handling the product, and adequate safety procedures should be followed.

The present technical description has the purpose to inform the clients on the quality of our product. The data herein is based on our present best knowledge. We invite our clients before work to check the quality of the product or its adaptation to the base and to make an experimental application. Our clients must be sure, that the present technical description hasn't been changed or replaced by a newer edition.

Orgachim Resins®

Ruse 7000, 21 Treti mart Blvd., tel.: +359 82 886 340; fax: +359 82 886 340

www.orgachimresins.bg