

ISO GELCOAT G-2-W (H)



Thixotroped unsaturated polyester

- Description:** It is thixotropic, white pigmented, accelerated isophthalic unsaturated polyester resin.
- Use:** ISO Gelcoat G-2-W (H) is applied for making of facial coat of articles from glass fiber and polymer marble. Applied in ships- and boat construction, on production of sanitary equipment, industrial details, reservoirs, basins and glass reinforced articles.
The hardening is carried out by addition of 2,0 % MEKP-50 (Butanox M-50).
- Properties:** ISO Gelcoat G-2-W (H):
- Gives to the articles:
 - Resistance to impact;
 - Water resistance ;
 - Light resistance;
 - Resistance to aging;
 - It is designed for spray and manual application;
 - Could be applied over unsaturated polyester resins with glass fiber;
 - Not flow applied on vertical surfaces;
 - Smooth appearance after polishing.
- Classifications:** Complies with requirements of EU legislation.

CHARACTERISTICS

INDEXES	NORM
Appearance after stirring: (visually)	White coloured thixotroped liquid
Non-volatile content, 125°C/1h (BNS EN ISO 3251)	65 ± 2 %
Viscosity Brookfield at 20°C, sp. 5, 20 rpm: (ISO 2555)	4 000 – 6 000 mPa.s

Reactivity at 20°C**(100 g resin + 2,0 g MEKP-50)**- **gelling time** 12 -18 min- **hardening time** 20 -50 min**(from gelling time to T max)**- **exothermic peak, T max** min 50°C

(Test Method)

Thixotropic index at 20°C:

min 4,5

sp. 3, 2/20 rpm:

(ASTM D 2196-05 (B))

Color

by specimen

OTHER DETAILS**Fineness of grinding**

max 10 µ

(BNS EN 21524)

Density:1,3 g/cm³

(BNS EN ISO 2811-1)

Flash point, in covered pot :

34°C

(BNS ISO 2719)

Application:

ISO Gelcoat G-2-W (H) has to be homogenized well before use. It is hardening with the following hardening system: to 1000 g of resin add 20 g hardener MEKP-50 (Butanox M-50), homogenize mixture well and after that use as intended. Pot life of the mixture is from 12 to 18 minutes and depends on the temperature of the resin, as the process of gelling accelerates additionally on temperature higher than 20°C, and the lower temperature (under 15°C) decreases the gelling time.

Method of application:

With brush

Cleaning of the tools:

Acetone, butyl acetate, ethyl acetate, nitrocellulose thinner

Packaging:

In metal cans

Storage:

Store in tightly closed packaging in closed, dry and fire proof storage premises, with no access of direct sunlight at temperature 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 date of production in fabrically closed packaging.

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**Hygiene, safety work
and ecology:**

Refer to the Material Safety Data Sheet for further information on the safe storage, use and handling of ISO Gelcoat G-2-W (H). 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®

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