

GCO Serie W sandable

Polyester gelcoat, orthophtalic, sandable

Description

- Polyester orthophtalic resin-based gelcoat.
- Specially formulated to be easy to sand.
- Perfectly suited to the production of parts to be re-painted.

Properties

- Good general application
- Easy to sand, with significantly-limited clogging of the sanding head
- No micro-porosity

Non-polymerised gelcoat physical properties

| | Test method | Product type | | Metric unit |
|-----------------|---------------|---------------------------|-------------------|-------------|
| Density | DEV MOP 02-09 | | 1.30 – 1.35 | |
| Viscosity | DEV MOP 02-02 | Machine Reference – VM | 11 000 – 18 000 | mPa.s |
| | | Brush Reference – VB | 17 500 – 48 000 | mPa.s |
| | | Spatula Reference – VS | 320 000 – 420 000 | mPa.s |
| Thixo. index | DEV MOP 02-02 | | >5.50 | |
| Solid content | DEV MOP 02-06 | Machine Reference – VM | 60 – 65 | % |
| | | Manual References – VB/VS | 70 – 75 | % |
| Gel time | DEV MOP 02-01 | | 5 – 9 | min |
| Lamination time | DEV MOP 02-13 | | 45 – 60 | min |

Base resin mechanical properties

| | Test method | | Metric unit |
|---------------------|-------------|-------|-------------|
| Tensile strength | ISO 527-2 | 75 | MPa |
| Tensile modulus | ISO 527-2 | 4 000 | MPa |
| Elongation at break | ISO 527-2 | 2.70 | % |
| HDT | ISO 75/A | 66 | °C |

Uses

- Industrial parts
- Hood making
- Industrial and plastic boilermaking
- Various equipment






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Complementary references

- Manual application with a brush – VB – or with a spatula – VS – or application with a dispensing unit – VM
- Internal release agent – in order to ease de-moulding and to prevent moulds clogging
- All RAL colours or according to countertype

Product features

| | | | |
|------------------------|---|--|---|
| Colour control |  | Spectro-colorimetric analysis of each batch according to RAL certified chart or countertype. ΔL , Δa , Δb and ΔE according to colour. | |
| Equipment and settings |  | Spray gun Nozzle: 2.5 to 3mm Pressure: 3 to 4bars Mould distance: 30 to 50cm | Airless Assisted air nozzle: 419 1840 or 2140 Carbide nozzle – according to part dimensions Mould distance: 60 to 80cm |
| User instructions |  | <ul style="list-style-type: none"> - Slightly stir the gelcoat before use. - Use a Methyl Ethyl Ketone Peroxide – MEKP – catalyst between 1 and 2%. - Check the gelcoat/catalyst mix and homogeneity. | |
| Thickness |  | <ul style="list-style-type: none"> - The applied gelcoat thickness should not exceed 400 to 800 microns – control to be done with a thickness gauge. | |
| Storage |  | <ul style="list-style-type: none"> - This product should be stored no more than 3 months after the production date. - Store away from humidity. - Store in original sealed packaging at a temperature between 15°C to 25°C. | |
| Health & Safety | RoHS compliant | <ul style="list-style-type: none"> - All our products comply with RoHS regulation. - All our products are heavy metals free, such as: lead, mercury, cadmium, chromium. - All our products are halogens free. - Please refer to the product Health & Safety Datasheet. | |

All information and suggestions given in this datasheet are based on personal work and we therefore considered them reliable. However we cannot be held responsible for the characteristics or results obtained from the use of the above product. Being the polyester technique (products, process...) in perpetual progress, it is the end user's responsibility to check, before any use, that they are in possession of the most recent edition of this technical sheet.