

DURESTER BGF

General information

DURESTER BGF is a barrier coating used in tooling industry. It is specially designed to be used on a top of an EPS block to give a protective layer against styrene containing polyester laminating resin.

DURESTER BGF is based on styrene-free polyester resin and is easy and familiar to use among mould and plug manufacturers.

Key properties

- ✓ easy to apply
- ✓ room temperature curing
- ✓ monomer-free
- ✓ fibre-reinforced
- ✓ brush applied
- ✓ good chemical resistance
- ✓ good exothermic heat resistance

DURESTER BGF has good curing performance at room temperature. It cures to form a hard and styrene resistant surface.

Typical properties (23°C)

| | |
|----------------|---------------|
| Viscosity | Brush applied |
| Gel time [min] | 60 – 90 |
| Tack free [h] | 12 – 15 |

Applications

- ✓ barrier coating for EPS to protect from styrene attack

Usage

- ✓ Ensure the substrate is clean and dry, free of moisture and oil or other contaminants
- ✓ Maintain working and material temperature between 18 to 23°C during application and after
- ✓ Relative humidity should not exceed 80%
- ✓ Mix before use
- ✓ Add 1,5 – 2% of MEKP and mix well
- ✓ Apply with even brush strokes to attain wet fill thickness between 500 to 750 microns

DURESTER BGF is usually cured at room temperature overnight. Curing can be accelerated with elevated temperature (50°C, 30 mins). The normal lamination process can be started as soon as the surface is tack free.

Packaging information

- ✓ 11 and 22 kg metal pails

Storage & Handling

The product is prone to skin formation. Should this happen, filter before use. To avoid skin formation, store indoors in a cool, dry place. Avoid direct sunlight exposure. Keep in the original tightly closed containers.

Under these conditions the storage life is typically 3 months.

Detailed safety information is contained in a separate material safety data sheet.