

# OptiGlassFlake

OptiGlassFlake is a solvent free zinc phosphate glass flake epoxy. It is designed to protect steel with minimum amount of surface preparation.

**Colours:** White and Grey. Other colours available on request.

### PRODUCT USES

- Repair of ships decks
- Hatch-covers
- Ballast tanks
- Water Tanks.

### ADVANTAGES

- Excellent corrosion resistance.
- V.O.C compliant. Minimum surface preparation to St2.
- Grit blasting not essential.
- Bonds to old paint, light rust, damp surfaces and oily surfaces.
- Easy application by brush, roller and spray.
- Excellent resistance to salt water, solvents and dilute acids.
- Excellent abrasion resistance.

### COVERAGE

#### THEORETICAL SPREAD RATE FILM THICKNESS (MICRONS)

Range: 2,5 – 5,0m<sup>2</sup>/lt

Typical: 4m<sup>2</sup>/lt

Wet Film Thickness: 200 – 400 micron Typical 250 micron

Dry Film Thickness: 200 – 400 microns Typical 250 micron

**SURFACE PREPARATION**

- Ensure all substrates are thoroughly clean, sound, dry and free from any contaminants such as dirt, salt, algae and grease.
- Mechanically clean to St.2.
- Rinse well with fresh water, preferably high pressure wash if possible.
- Sound old coatings may be left on, but must be thoroughly abraded.

**APPLICATION**

- Can be applied by airless spray, brush or roller.

**Airless spray :**

- Nozzle Pressure : 15 – 20 Mpa
- Tip No. : Graco 623 (0,8 – 1,1mm)
- Spray angle: 40 = 80°
- Thinning : Up to 5%
- Remove all filters

**Roller:**

Use short mohair enamel roller

**CLEANING**

- Clean tools and equipment using Xylene or Epoxy Thinner.
- Once OptiGlassFlake has cured, it can only be removed by mechanical means.

**SAFETY PRECAUTIONS**

- Read instructions on container.
- Avoid skin contact and inhalation.
- Skin: wash well with soap and water.
- Eyes: flush with water and immediately seek medical attention.
- Keep away from children and animals.
- Reseal containers and dispose of as per local regulations.
- Refer to Material Safety Data Sheet for further details.

**TECHNICAL DATA**

Type:	Modified epoxy/amine containing micro glass flakes.
Colours:	Grey, Reddish Brown, White, Aluminium.
No. of components :	Two
Application Temp. :	5°C to 40°C
Service Temp. :	-40°C to 120°C
Solids (vol.) :	85% +/- 2%
Specific Gravity :	1,48
Mixing Ratio :	6:1 (by volume)
Induction time :	10 minutes
Pot life (23°C) :	2 hours
Drying time at 23°C:	Surface dry : 4 hours. Hard dry: 16 hours.
Over-coating time :	10°C - 24 hours (min) 4 days (max) 20°C - 16 hours (min) 3 days (max) 30°C - 9 hours (min) 2 days (max)
Full cure :	7 days at 23°C
Thinner :	Optima Epoxy Thinner

Cleaning solvent :	Optima Epoxy Thinner
Storage temperature :	5°C to 25°C (recommended)
Shelf life:	2 years if stored under recommended conditions.
Flash Point :	Base 38°C, Hardener 90°C
Viscosity:	100 – 105 ku.

*Technical details above are provided in good faith. We are an ISO 9001: 2008 registered company and our products are manufactured to the highest standards using raw materials of superior quality. Consequently we believe in the quality of our products and will willingly replace any product in the unlikely event of a quality related performance failure. Whilst we are confident in guaranteeing the quality of our products, we cannot however accept any liability for performance failure due to the incorrect application of our products. Correct application is critical to the successful performance of our products and as this process falls outside of our control we are unable to cover the application under our product performance warranty. Where there are doubts, it is recommended that the user conduct their own suitability tests before use. To retain sheen and colour consistency of your paint, always make sure that the batch numbers are the same on all paint containers that you purchase.*

*Updated: March 2015 (this supercedes all previous publications)*