



Technical Datasheet  
Solvent Free Epoxy Floor Seal

# PUMAGUARD SFS

## DESCRIPTION

Pumaguard S.F.S. is a low viscosity solvent free epoxy resin floor seal designed to give maximum performance at an economical cost. Unlike solvent and water based floor seals, Pumaguard S.F.S. has no solvents to evaporate away and reduce the final film thickness. Pumaguard S.F.S. can be used in areas where solvent based products may taint or give off unacceptable odours. Pumaguard S.F.S. can be used as a substitute for all solvent and water based floor seals giving additional thickness at a similar cost. A light broadcast of C50 or C60 size aggregate maybe backrolled into the Pumaguard to give a degree of slip resistance.

## COMPOSITION

Pumaguard S.F.S. is a solvent free low viscosity epoxy resin available in clear or colours.

## DURABILITY

Pumaguard S.F.S. has an extremely high abrasion resistance and shows the minimum of scuffing, marking by fork lift wheels and medium duty traffic. A two coat application of approximately 200µm will give long term protection for many years.

## THICKNESS

Nominal 200µm for 2 coats.

## TYPICAL INSTALLATIONS

Pumaguard S.F.S. is used to seal industrial floors in warehousing, storage areas, plant rooms, general engineering, food and drink preparation areas etc.

## SUBSTRATES

Pumaguard S.F.S. is ideal for sealing concrete, grano and asphalt surfaces.

## SURFACE PREPARATION

To be assured of maximum adhesion and properties from Resdev resin products, the correct surface preparation is essential. Please refer to technical data sheet "Surface Preparation" reference TD102.

## APPLICATION CONDITIONS

5-30°C Maximum moisture content of 75% RH

## PRIMING

Normally 2 coats of Pumaguard S.F.S. provides good cover but on porous concrete it may be necessary to prime with Pumaprime S.F.

## MIXING

Add full contents of hardener container to full to full contents of resin container and mix with a slow speed stirrer for at least 2 minutes.

## APPLICATION TECHNIQUE

Apply by brush, roller or spray. The use of a paint tray is recommended for best results.

## COVERAGE RATES

Normal substrate	-1st coat 5.5m <sup>2</sup> /kg average
	-2nd coat 11.0m <sup>2</sup> /kg average
Porous and uneven substrate	-1st coat 3.6m <sup>2</sup> /kg average
	-2nd coat 7.1m <sup>2</sup> /kg average

## SPECIFICATION DETAIL

### Normal substrates

2 coats Pumaguard S.F.S. at a nominal 200µm (220g/m<sup>2</sup> approx.)

### Porous uneven substrates

2 coats Pumaguard S.F.S. at nominal 200µm (300g/m<sup>2</sup> approx.)

## MAINTENANCE

Pumaguard S.F.S. treated floors can be readily cleaned using a propriety cleaning solution.

## CURE SCHEDULE

Pot life @ 20°C	-30-40 minutes
Dry film time @ 20°C	-8-10 hours
Intercoat period	-16-24 hours
Foot traffic	-36 hours
Full cure	-7 days

## CHEMICAL RESISTANCE

Good resistance to a wide range of chemicals. Please refer to technical data sheet reference TD112.

## TECHNICAL DATA

Compressive strength	-50N/mm <sup>2</sup>
Flexural strength	-30N/mm <sup>2</sup>
Lap shear bond strength	-15N/mm <sup>2</sup>
Taber abrasion (1kg load 1000 revs)	-3mg loss (CS17)
Ease of decontamination to BS 4247 : part 1 test A "Excellent"	

## HEALTH AND SAFETY

Please read technical data sheet reference TD103 and specific health and safety data for this product provided in compliance with the requirements of EC Directive 91/155.

## STORAGE, MIXING & APPLICATION

The storage, mixing and application conditions can affect the quality of the finish produced. Please read technical data sheet reference TD104.

## TECHNICAL ADVICE

For further information on this or any other Resdev product, please contact our Customer Care Department on 01422 379131.