

# SAXON SHIELD A80-Z

## DESCRIPTION

SAXON SHIELD A80-Z is a two component polyamide cured zinc rich epoxy coating. It contains high solids, high zinc dust containing product. To be used as primer in atmospheric environments and for both exterior and interior steel structures. It has very good anticorrosive properties as part of a coating system. Suitable for carbon steel, repair of inorganic zinc silicate coating and damaged galvanised steel substrates. This product complies with ASTM D520 type II zinc dust.

## COLOUR AND PRODUCT PRESENTATION

Colour range	Gray
Size	5 litre - 20 litre drum (larger size available on request)

## MAIN PROPERTIES

PREPARED MIX PRODUCT	
Application	Roller, brush or spray
Touch Dry	20 – 50 minutes depending on ambient temperature
Recoat able	4 – 6 hours, drying time will be significantly longer in cold, damp conditions.
Coverage	15m <sup>2</sup> at 40 µm – 7m <sup>2</sup> at 90 µm
Thinning	Use Saxon thinner 21
Cleaning	Clean equipment immediately after use with thinner
Colours	Gray
Max temperature	Continuous temperature for up to 120°C
Pot Life	8 hours
Shelf Life	Comp A 24 months: if stored correctly to manufacturer's guidelines. Comp B 24 months: if stored correctly to manufacturer's guidelines.

## PREPARATION

All areas must be clean, dry and free from oil, grease, anti-freeze, loose sand or any contamination. Its use is recommended for all types of metal, bridges, buildings, power plants and general steel structures. Optimal performance is achieved with the recommended surface preparation.

Substrate	Surface Preparation
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	Minimum	Recommended
Carbon Steel	St 3 (ISO 8501-1)	Sa 2 1/2 (ISO 8501-1)
Shop primed steel	Clean, dry and undamaged approved shop primer (ISO 12944-4 5.4)	Sweep blasted or alternatively blasted to Sa 2 (ISO 8501-1) of at least 70 % of the surface.

## COATING SYSTEM

### APPLICATION

Stir well before and during use.

Mix ratio:

Saxon Shield A80-Z Comp A

Saxon Shield A80-Z Comp B

### ROLLER



Apply using a roller, using it directly from the drum ensuring the entire sleeve is covered. Work in a methodical, systematic manner maintaining a manageable wet edge blending the material to achieve the desired pattern whilst still wet. Maintaining a continuous wet edge (approximately 1 m2)

### BRUSH



Before use, flick the bristles back and forth to remove dust. Make sure you remove excess liquid before painting. Fill the brush by dipping in up to half the length of the bristles. Tap it gently against the side of the can: don't wipe the brush hard against the lip. The bristles should flex only slightly as you brush – don't over press – let the paint flow from the brush.

### SPRAY



Start at the top and work down, painting with light even strokes, working back into the wet edge. If you are painting a large area by brush, apply paint to an area about 50cm x 50cm, then brush the paint in horizontal strokes to even the paint out and finish off with light vertical strokes all in one direction. If you are using a brush and roller, paint the edges of the area first.

For best results in terms of finish, coverage, speed of application and low overspray, the following set up is recommended.

Use spray equipment with a nozzle tip (inch/1000): 15-21 and a minimum pressure at nozzle of 2100 psi. Cover areas not to be sprayed with masking





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tape and wet strength masking paper or film. Spray using a circular or 'cross hatch' method, i.e., horizontally, and vertically to achieve a full, uniform and even texture overall. Clean the tip and air cap frequently during use to prevent blocking.

#### **CLEANING**

Return excess material/paint to container. Wash hands with clean water immediately after use.

#### **HEALTH AND SAFETY RECOMMENDATIONS**

Please refer to the Safety, Health and Environmental Information on the container. When preparing the surfaces avoid the inhalation of dust and/or metal particles. Wear a suitable facemask and recommended safety personal protection. Material Safety Data Sheets for this is available freely available at Saxon Paints website.

#### **STORAGE**

Store in secure dry conditions. Keep out of reach of children. Containers should be kept closed during storage. Do not empty into drains, water rivers or access routes to septic drums.

For further information contact Saxon Paints

#### **GENERAL INFORMATION**

Apply all products in accordance with BS 6150: 2006 Code of practice for painting of buildings and BS



8000: Part 12: 1989 Code of practice for decorative wallcoverings and painting.

Every care is taken to ensure that all information provided on this Technical Data Sheet is accurate. Final results cannot be guaranteed by the manufacturer as it has no control over the conditions under which its products are applied.

For help or more information contact Saxon Paints or visit our website at [www.saxonpaints.com](http://www.saxonpaints.com) Before using this product please ensure you have the latest information. The information is correct at date of issue February 2022.

## WARRANTY

SAXON PAINTS warrant its title to the product, that the quality of the product conforms to Saxon Paints' specifications for such product in effect at the time of manufacture and that the product shall be delivered free of the rightful claim of any third person for infringement of any patent covering the product. This product is for professional use only. The applicators and operators shall be trained, experienced and have the capability and equipment to mix/stir and apply the coatings correctly and according to Saxon Paints' technical documentation. Applicators and operators shall use appropriate personal protection equipment when using this product. This guideline is given based on the current knowledge of the product. These are the only warranties that Saxon Paints makes and all other express or implied warranties, under statute or arising otherwise in law, from a course of dealing or usage of trade, including without limitation, any other warranty of fitness for a particular purpose or use, are disclaimed by Saxon Paints. Any claim under this warranty must be made by Buyer to Saxon Paints in writing within five (5) days of Buyer's discovery of the claimed defect, but in no event later than the expiration of the applicable shelf life of the product, or one year from the date of the delivery of the product to the Buyer, whichever is earlier. Buyer's failure to notify Saxon Paints of such non-conformance as required herein shall bar Buyer from recovery under this warranty. Any suggested deviation to suit the site conditions shall be forwarded to the responsible Saxon Paints' representative for approval before commencing the work.

## LIMITATIONS OF LIABILITY

The information in this document is given to the best of Saxon Paints' knowledge. The information in this sheet is intended for guidance only and is based upon laboratory tests that Saxon Paints' believes to be reliable. Saxon Paints' products are considered as semi-finished goods and as such, products are often used under conditions beyond Saxon Paints' control like the quality or condition of the substrate, or the many factors affecting the use and application of the product. The product and related information are designed for users having the requisite knowledge and industrial skills in the industry and it is the end-user's responsibility to determine the suitability of the product for its own particular use and it shall be deemed that Buyer has done so, as its sole discretion and risk. Saxon Paints' does not accept any liability arising from any loss, injury or damage resulting from such use or the contents of this information. Variations in the application environment, changes in procedures of use, or extrapolation of data may cause unsatisfactory results. Minor product variations may be implemented in order to comply with local requirements. Users should always consult Saxon Paints' for specific guidance on the general suitability of this product for their needs and specific application practices. If there is any inconsistency between different language issues of this document, the English (United Kingdom) version will prevail.

