

SAXON 27 HIGH MASTIC PAINT

DESCRIPTION

SAXON 27 HIGH MASTIC PAINT is a solvent-based, amine curing two-pack surface tolerant epoxy systems with satin finish & very high volume solids between 80 – 90%. Intended to be used directly on metal after proper surface preparation.

Major Uses:

SAXON 27 HIGH MASTIC PAINT is specially formulated to give excellent coating for steel structures, concrete and ideal for the application for commercial, industrial and chemical plants, tank lining for storage of ATF and other petroleum products. It is also suitable for storage of vegetable oils, fresh or saline water.

Advantages:

- ✿ Chemical and abrasion-resistant.
- ✿ Gives corrosion-resistant to steel.
- ✿ Non – toxic when fully cured.
- ✿ Available in a long range of colours.
- ✿ Passes MIBK curing test
- ✿ No primer required & can be applied directly to metal
- ✿ Fast Drying & curing even at low temperatures
- ✿ Good anti-sagging capability at very high DFT.

MAIN PROPERTIES

PREPARED MIX PRODUCT	
Application	Roller, brush or spray gun/machine
Touch Dry	Touch dry: 12 hours at 20°C <i>Low temperature and high humidity will adversely affect application, drying and performance of any coating.</i>
Pot life	12 hours at 10°C, 10 hours at 15°C, 1 hour at 25°C, 1 hour at 40°C,
Coverage	8-10 m ² / litre. Based on brush or roller application. <i>This number will be lower on highly porous surfaces</i>
Recommended dry film thickness	100-200 µm depending on system
Cleaning	Fresh water
Curing Time	5 days at 20°C
Shelf life	12 months when stored in a cool, dry place.
Overcoat	Minimum - 18 hours Maximum - 5 days

PREPARATION



Mixing and Application:

Mix component A and B at specified ratio ensuring they are completely homogenous. After thoroughly mixing, allow the mixture to stand for 10 – 15 minutes. Apply either by brush, roller or airless spray gun. Method of Application: By brush, roller airless and Conventional Spray

Spray Data

Conventional Spray Airless Spray

Nozzle Orifice	2 – 3mm.
Nozzle Pressure	43 – 57 psi
Dilution	5 – 10 %
Thinner	Saxon Epoxy Thinner

Nozzle Orifice	0.38 – 0.46 mm
Nozzle Pressure	1138 - 1710 psi
Dilution	10 - 15% if required
Thinner	Saxon Epoxy Thinner

Typical Recommended System:

Chemical Resistance:

Salt Spray test 1000 hrs - Passes as per IS 101

SURFACE PREPARATION:

Steel:

The surface must be clean, dry and free from dust, oil, grease and some foreign matters. Recommended methods for repairing steel are by SA 2 ½ sandblasting, wire brushing and de-rusting.

Concrete:

Allow new concrete to cure for 28 days, and surface should be sound and no strange particles prior to application. Ensure that the surface to be coated is properly etched and washed before the application of SAXON 27 HIGH MASTIC PAINT

COATING SYSTEM

APPLICATION

Stir well before and during use.

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.





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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.

SPRAY



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

Use conventional spray equipment i.e., GC 200/24 2HP compressor or larger, that can continuously deliver a minimum of 80psi at 4-5 cubic feet per minute on a 3 meters (maximum) length airline to the spray gun. A GC 330 hopper feed spray gun with a 3mm air cap and tip size of 3-4mm tip size. Apply at 40psi air flow/spraying pressure with an 18" (450mm) distance from gun tip to surface being coated (target). Cover areas not to be sprayed with masking 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.

Other painting methods and pumps can be used. Please contact Saxon Technical Support for further information.

CLEANING

All tools should be cleaned with Wash Thinner or Epoxy Thinner as soon as possible.

HEALTH AND SAFETY RECOMMENDATIONS

Keep Resin and Hardener away from eyes and skin contact. Good ventilation should be provided particularly in closed work areas. Keep uncured epoxy materials away from the mouth, food or drink, do not use empty tins to store food and do not empty cans into drains. Always wear gloves and safety materials when handling this product. Clean any splashes or smears from the skin immediately, using warm water and soap. Avoid inhaling the vapor.

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





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Saxon Paints website.

STORAGE

Keep resin and hardener in a cool place below 25°C. Keep the container tightly closed. The shelf life is 12 months minimum.

LIMITATIONS

- ✦ When the epoxy coating is exposed to UV light, either directly or indirectly, it causes a noticeable and permanent damage as a result of photo degradation, including loss of gloss, cambering (i.e. a yellow discoloration) and for the colored one chalking and breakdown of the coating may also result.
- ✦ Do not apply when the temperature below 5 °C & above 45 °C and when the relative humidity rises above 90%. Do not apply during rain, fog, or mist.
- ✦ Use mixed paint within stipulated pot life or period.
- ✦ Use of thinner other than supplied or approved by SAXON PAINTS may adversely affect product performance and void product warranty whether express or implied.



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 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.

