



PRIME COLORS-AX™

— PREMIUM-QUALITY PIGMENTED SILICONE SEALANTS TO MATCH YOUR EVERY NEED —

P **Prime Colors-AX** sealants are a unique line of pigmented, neutral-curing, multi-use silicone gunnable sealants available in 30 standard colors and, on a special order basis, in over 500 colors. Add color to your home or work environment with **Prime Colors-AX** sealants. When working with concrete surfaces, add still more color to your environment with **Prime Gemstone** reactive stains for indoor and outdoor use and **Prime Gourmet** cementitious dyes for indoor use. Like all products from **Prime Sealants**, **Prime Colors-AX** sealants are “Best in Class Problem Solvers.”

Special Properties

- ✧ Elastic silicone-based sealants
- ✧ Especially stiff body for optimized tooling properties
- ✧ Weather-resistant
- ✧ Aging-resistant
- ✧ Good UV resistance
- ✧ Compatible with paints
- ✧ Excellent adhesion on glass, glazed surfaces (such as enamel and tiles) and anodized aluminum
- ✧ Available in 30 standard colors
- ✧ Available in over 500 RAL colors on a special-order basis
- ✧ Compatible with paints

Fields of Application

- ✧ Sealing joints and connecting joints in glass, window and metal construction.
- ✧ Sealing joints and connecting joints in the sanitary sector.
- ✧ Sealing joints and connecting joints in various other construction applications.
- ✧ Not suitable for use with plastics.
- ✧ In underwater applications, especially accurate tooling is required, involving preparation of the substrate and, often, the use of a primer.
- ✧ Underwater joints must be checked in regular time intervals and may need to be reworked as necessary.
- ✧ Not suitable for use in aquarium construction, nor on marble or natural stone.
- ✧ Not suitable as a mirror adhesive.
- ✧ Must not be used in areas that come into direct contact with food.

Yield

One 10.5 ounce tube (310 ML) of **Prime Colors-AX** is sufficient for completing approximately 39.4 feet (12 meters) of joints measuring .2 inches x .2 inches (5 MM x 5 MM) or approximately 7.4 feet (2.25 meters) of joints measuring .4 inches x .4 inches (10 MM x 10 MM).

Colors & Packaging

Prime Colors-AX sealants come in 30 standard colors (see attached color chart) and are available in over 500 RAL colors on a special order basis. They are available in 10.5 ounce (310 ml) cartridges, packed in cases of 20 tubes. They are also available in 400 ML and 600 ML “sausages” and in other sizes of packaging on a special order basis.

Application Information

SUBSTRATE PRETREATMENT: The substrate must be dry, firm, and free of dust and grease (clean with isopropanol, if necessary). Porous substrates (e.g. concrete, plasterboard and untreated wood) must be primed. Before primer application, remove

any cement slurry, mold release agents or impregnations. In renovation projects, old sealant, remains of paint and loose material must be fully removed. On coated substrates (paints, lacquers), compatibility to the sealant must be tested.

The joint must always be provided with a suitable, correctly dimensioned joint backing (e.g. PE cord, rock wool) to prevent adhesion on three faces. To avoid contamination and to achieve a precise joint, we recommend masking the joint edges with adhesive tape before primer application and filling.

JOINT DIMENSIONS: Joint dimensions should be at least .2 inches x .2 inches (5 MM x 5 MM) for indoor and .4 inches x 3.2 inches (10 MM x 8 MM) [width x depth] for outdoor applications. With increasing joint width (up to 1.2 inches [30 MM]), joint depth should be roughly half the joint width. Make sure that triangular bevels have uniform sides of equal length with at least .3 inches (7 MM) bonding surface on each side.

TOOLING: After applying **Prime Colors-AX** sealants with a suitable manual, battery-powered or pneumatic caulking gun, the sealant can be smoothed in the joint with water or with a neutral, non-staining waterbased smoothing agent and a suitable tool (e.g. jointing trowel). Smoothing is not only recommended for optical reasons, but also because it establishes close contact and good adhesion to the substrate. Remove excess smoothing agent. Any adhesive tape used should be removed immediately after smoothing.

IMPORTANT INFORMATION: The function of the sealant can only be guaranteed if it is correctly applied in full accordance with the technical recommendations given in this data sheet and in related standards. Sealant application in situations with strongly fluctuating temperatures (which may cause premature stressing of the sealant) must be avoided.

Prime Colors-AX sealants are compatible with many paints and lacquers. Owing to the large number of different coating systems on the market, however, we recommend that you conduct your own tests concerning adhesion and compatibility prior to application. The sealant itself is not overpaintable. Acetic acid is released in small amounts during curing, which may lead to corrosion on sensitive metals such as copper, zinc coated metals, iron, steel (depending on the quality of the steel) and others. **Prime Colors-AX** sealants are neutral curing and, as such, may be safely used on alkaline substrates such as concrete and grout.

When **Prime Colors-AX** sealants come into contact with bituminous, tar- or plasticizer-releasing substrates (such as EPDM, neoprene and butyl), discolouration and/or loss of

adhesion may occur.

Good ventilation must be provided during application and curing to allow curing by-products to evaporate. Low temperatures, low humidities and joint depths above 15 MM can retard skin formation and curing significantly.

Exposure to liquid (e.g. acid-based cleaning agents, strongly colored liquids) or gaseous chemicals (e.g. tobacco smoke) for longer periods can result in discoloration of the product, especially for light colors (white). In general, the mechanical properties of the sealant are not adversely affected.

It is essential to keep the joint clean, dry and free from substances that may serve as a nutrition medium (such as soap residues and skin scales).

Technical Data (Metric)

Density (DIN EN ISO 2811-1)	1.03 ± 0.04 g/cm ³
Skin Forming Time (23° C/50% r.h)	Approximately 15 minutes
Penetration (DIN 51579 / 5 seconds)	125 ± 30 1/10 MM
Slump (in accordance with ASTM 2202)	≤ 2 mm
Shore A Hardness (DIN 53505, 28 d)	20 ± 5 units
Tensile Modulus (DIN EN ISO 8339-A, 100%)	Approximately 0.5 N/MM ²
Maximum Movement Tolerance	25%
Volume Loss (DIN EN ISO 10563)	Maximum 5%
Application Temperature (sealant & substrate)	+5° C to +35° C
Temperature Stability Range (fully-cured sealant)	-25° C to +80°C
Shelf Life (originally closed packaging)	12 months (+5° C to +35° C)

Rate of curing depends on temperature, humidity and substrate absorbency. The data given refer to tests at standard conditions (73° F [23° C] / 50 percent relative humidity). Under these conditions, a 3/8 inch x 3/8 inch (10 MM x 10 MM) joint will cure in approximately 14 days (with at least one substrate being absorbent). Low temperature, high humidity and joint depth above 1/16 inches (15 MM) will retard skin formation and curing significantly.

Data given were determined shortly after production, and may slightly vary with increasing

age of product and for different colors. They are not meant for specification purposes.

For safety data, see Safety Data Sheet. *Take all preventive measures specified in the Safety Data Sheet and in the hazard markings to prevent accidents and protect health.*

Warranty

Prime Sealants warrants that at the time and place we make shipment, our material will be of good quality and will conform without published specifications in force on the date of acceptance of the order.

DISCLAIMER: The information contained herein is included for illustrative purposes only and, to the best of our knowledge, is accurate and reliable. **Prime Sealants** cannot, under any circumstances, make any guarantee of results or assume any obligation or liability in connection with the use of this information. As **Prime Sealants** has no control over the use to which others may put its products, it is recommended that the products be tested to determine if suitable for specific application and /or our information is valid in a particular circumstance. Responsibility remains with the architect or engineer, contractor and owner for the design, application and proper installation of each product. Specifier and user shall determine suitable products for specific application and assume all responsibilities in connection therewith.

Each new release of this product information sheet supersedes the previous one.

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