

COVALENCE[®] S1401-M EPOXY

Description:	S1401-M primer is a specially formulated 100% volume solids (solvent less) two component epoxy.
Recommended use:	As an epoxy primer in a 3-layer coating system for superior corrosion protection of field welded joints of steel pipes operating up to 100°C (212°F). S1401-M can be used with Covalence 3-layer coating system HTLP80 (-HP) as the initial anti-corrosion layer. Consult the application guideline for each product as when to apply the epoxy on the pipeline coating or not.
Colour:	Grey
Solids:	100% volume, 100% weight
Mixing ratio:	(by volume): 4 parts of base (part A) to 1 part of hardener (part B) (by weight): 100 parts of base (part A) to 14 parts of hardener (part B)
Typical coverage:	2.5 sq.m/litre. This coverage is based on 200 microns or 8 mils nominal wet film thickness, including drum and application scrap. For twin packs include 5% extra scrap.
Specific gravity:	Base: 1.78 - Hardener: 1.05
Typical thickness:	200-300 microns (8-12 mils)
Pot life:	14 min at 25°C (77°F)
Shelf life:	2 years after manufacturing date when stored at temperatures between 5°C (40°F) and 40°C (104°F).
Flash point:	Part A (Base): > 93° (199.4°F) - Part B (Hardener): > 100°C (212°F)
Thinner:	Do not dilute
Storage and handling:	For optimum performance, store S1401-M in a dry, well-ventilated area. Maintain products in original packaging and sealed until just before use. Avoid exposure to direct sunlight, rain, snow, dust or other adverse environmental conditions or contaminations. Recommended storage temperatures between +5°C (40°F) and + 40°C (104°F)
Application:	<ol style="list-style-type: none">1. Prepare the pipe surface as recommended in the product application guide.2. Pour hardener into base as per mixing ratio. Stir the mixture for approximately 1 minute to ensure a homogeneous mixture.3. Carefully apply mixed epoxy primer as indicated in the product application guide.

Properties	Property	Condition	Test method	Typical value	
				US Imperial	Metric
	Specific gravity	Mixed	ASTM D3289-D3	1.64	1.64
	Hardness	Shore D	ASTM D2240	85	85
	Dielectric strength	Oil	ASTM D149	690 V/mil	27 V/micron
	Adhesion to steel		ASTM D4541	3,550 psi	24 MPa

Ordering info:

Twin pack:

The twin packs are available as single twin packs or as a kit with applicator pad and 1 pair of nitrile safety gloves.

Single twin pack: **S1401-M-TP-200ML-335GR(C22)**

Twin pack kit with EQ-PR-APPLICATOR-IN (foam pad with felt) & nitrile safety gloves:
S1401-M-TP-200ML-KIT(C10)

Other twin pack sizes are available on request, minimum size is 100 ml, maximum size is 250 ml, special size MOQ may apply.

Order quantity should be multiples of box quantity indicated in the product description (Cxx).

Bulk Epoxy:

Base: S1401-M-PART-A-16L-28.5KG

Hardener: S1401-M-PART-B-16L-16.8KG

Always order in multiples of 4 pails of part A by 1 pail of part B.

Epoxy accessories to mix and apply the epoxy should be ordered separately.

Information	
Documentation	Extensive information is available on our website. Application instructions and other documentation can be obtained by contacting our head office, from our local distributor or by sending an email to info@sealforlife.com
Certified staff	Application of the described coating system shall be carried out by certified personnel.



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Further information is available on our website www.sealforlife.com, or by sending an inquiry to info@sealforlife.com

DISCLAIMER: Seal For Life Industries warrants that the product conforms to its chemical and physical description and is appropriate for the use stated on the technical data sheet when used in compliance with Seal For Life Industries' written instructions. Because many installation factors are beyond the control of Seal For Life Industries, the user shall determine the suitability of the products for the intended uses and assume all risks and liabilities in connection herewith. Seal For Life's liability is stated in its General Terms and Conditions of Sale. Seal For Life Industries makes no other warranty either express or implied. All information contained in this document is to be used as a guide and is subject to change without notice. This technical data sheet supersedes all previous data sheets on this product.