

COVALENCE[®] S1401-DEP EPOXY

Description:	S1401-DEP primer is a specially formulated 100% volume solids (solvent less) high temperature 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 110°C (248°F). S1401-DEP can be used with Covalence 3-layer coating system HTLP-PP-DEP as the initial anti-corrosion layer. For HTLP-PP-DEP the epoxy primer needs to be applied onto the steel surface only. S1401-DEP can also be used as repair coating for PP and FBE line coatings.
Colour:	Black
Solids:	100%
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 18 parts of hardener (part B)
Typical coverage:	3.3 sq.m/litre. This coverage is based on 200 microns or 8 mils average wet film thickness and a typical wastage factor of 50% for application using bulk format (Pails). For application using twin packs use coverage in the range of 2.5 to 2.86 sq.m/litre.
Specific gravity:	Base: 1.5 - Hardener: 1.1
Typical thickness:	200-300 microns (8-12 mils)
Shelf life:	Part A (Base): 1.5 years Part B (Hardener): 3 years When stored at temperatures between 5°C (40°F) and 40°C (104°F). Shelf life will be less at higher temperatures.
Thinner:	Do not dilute.
Storage and handling:	For optimum performance, store S1401-DEP 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. Minimum epoxy temperature part A and B for easy mixing: 30°C (86°F).2. Follow mixing instructions in the product application guideline. Typically, part A and B have to be mixed for about 1 min to get a homogenous mix.3. Carefully apply mixed epoxy primer as indicated in the product application guide.

Properties	Condition	Test method	Typical value	
			US Imperial	Metric
Specific gravity	Mixed	ASTM D3289-D3	1.45-1.55	1.45-1.55
Hardness	Shore D	ASTM D2240, after 24 hr at 23°C	80	80
Adhesion to steel		ASTM D4541, 7 days after coating	> 2,000 psi	> 13,8 MPa
Pot Life	at 23°C		45 ± 15 minutes	

Pot life decreases with higher temperatures and volumes.

Ordering info:

Twin pack:

The twin packs are available as single twin packs.

Single twin pack: **S1401-DEP-TP-170ML(C36)**
S1401-DEP-TP-225ML(C20)

Applicator pad and nitrile safety gloves are ordered separately.

TL-EPOXY-APPLICATOR-WGL(C100)I : box containing 100 applicator pads and 200 nitrile safety gloves.

Other twin pack custom sizes are available upon request, minimum size is 125 ml, maximum size is 300 ml, special size MOQ may apply.

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

Bulk Epoxy:

Base: S1401-DEP-PART-A-19L

Hardener: S1401-DEP-PART-B-19L

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.