



DS-S1401-REV14-MAR12-AARPS-0286

Description: S1401 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 with operating

temperatures up to 120°C. S1401 can be used with Covalence 3 layer coating systems: HTLP80, HTLP60, DIRAX, ROCS60E, and HTLP-PP as the initial anti-corrosion layer or as wear cones in the PPS120 and

DIRAX-PP system.

For HTLP80, DIRAX, ROCS60E, HTLP-PP the epoxy primer needs to be applied on the steel surface only. For HTLP60 the epoxy needs to be applied onto the steel surface AND onto the line coating, when this line

coating is PE, FBE or CTE.

S1401 can also be used as repair coating for PP and FBE line coatings.

Colour: Grey

Volume solids: 100%

Weight solids: 100%

Mixing ratio: (by volume): 5 parts of base (part A) to 1 part of hardener (part B)

(by weight): 100 parts of base (part A) to 12 parts of hardener (part B)

Typical coverage: 2 sq.m/litre (21.52 sq.ft/litre) or 6.6 sq.m/US gallon (70.7 sq.ft/US

gallon). This coverage is based on 300 microns or 12 mils average wet

film thickness.

Specific gravity: Base: 1.8

Hardener: 1

Typical thickness: 100-500 microns (4-20 mils)

Shelf life: 2 years 23°C (73°F), out of direct sunlight. Shelf life will be lesser at

higher temperatures.

Flash point: Part A (Base): 252°C (485.6°F)

Part B (Hardener): 257°C (494.6°F)

Thinner: Do not dilute

Application1. 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.





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Curing Chart:

S1401	10°C	20°C	30°C	40°C	50°C
Pot Life	19-21 minutes	13-15 minutes	10-12 minutes	7-9 minutes	5-7 minutes
Gel Time	20-22 minutes	17-20 minutes	16-19 minutes	14-17 minutes	10-13 minutes
Dry time	80-100 minutes	50-60 minutes	40-50 minutes	30-40 minutes	20-30 minutes
Shore D 70	30 -40 hours	20-25 hours	5-10 hours	2- 4 hours	1- 2 hours

Ordering info: **Epoxy kit:**

S1401-KIT-0.5L-0.13GAL/WA(C10)

This kit only includes measured quantities of base resin and hardener. Order quantity should be multiples of 10.

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

Twin pack:

S1401-TP-100ML-169GR(C100) S1401-TP-150ML-252GR(C50) S1401-TP-200ML-337GR(C50) S1401-TP-250ML-421GR(C50)

Minimum order quantities apply for epoxy twin packs. Special twin pack contents can be ordered for MOQ of 5000 pc.

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

Epoxy primer pads and safety gloves to apply the epoxy should be ordered separately.

Bulk Epoxy:

S1401-PART-A-18L-4.75GAL Base: Hardener: S1401-PART-B-18L-4.75GAL

Always order in multiples of 5 pails of part A by 1 pail of part B

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



CORROSION PROTECTION GROUP

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Local Distributor / Representative:

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Headquarters Franklin, MA, USA Tel: +1 508 918 1714 US Toll Free: +1 800 248 0149 Fax: +1 508 918 1910 CPG@berryplastics.com

Houston, TX, USA Tel: +1 713 676 0085 US Toll Free: +1 888 676 7202 Fax:+1 713 676 0086 CPGH@berryplastics.com

Tijuana, Mexico Tel USA +1 858 633 9797 Fax US: +1 858 633 9740 Tel Mexico: +52 664 647 4397 Fax Mexico: +52 664 607 9105 CPGTJ@berryplastics.com

Westerlo, Belgium Tel. +32 14 722500 Fax +32 14 722570 CPGE@berryplastics.com Baroda, India Tel: +91 2667 264721 Fax: +91 2667 264724 CPGIN@berryplastics.com