

CV 116 clear polyurethane gloss coat

Description

CV 116 (formerly F427-943) is a two-pack, ambient curing, clear, polyurethane gloss coat with a high degree of cross-linking to give maximum chemical and fluid resistance. Fully cured CV 116 shows maximum gloss retention on weathering and is designed to give external protection to polyurethane gloss finishes.

For further information on product specification requirements, please contact PRC-DeSoto International.

Pot life

@ 23°C	8 hours
Dry to mask	6 hours
Dry to overcoat	Any time
Dry to overcoat with flattening	6 hours
Full cure	4 days

CV 116 is compatible with all types of spray equipment. For details on the application parameters please call PRC-DeSoto International.

Colour	Transparent
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Application properties (typical)

(At 23°C, 75%RH unless otherwise stated)

Product code numbers

Base	CV 116
Activator	ACT 34
Thinner	T 74

Flash points (Abel closed cup)

CV 116	23°C
ACT 34	20°C
T 74	-7°C

Volatile organic compound (VOC), mixed ready for use

(ASTM-D 3960)	620 g/litre
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Mix ratio, by volume

Base:activator:thinner	2:1:to visc.
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Viscosity

Conventional spray (15-24°C)

BSB3	26-30 seconds
AFNOR 4	16-17 seconds
DIN 4	12-14 seconds

Airless spray

BSB3	35-40 seconds
AFNOR 4	21-23 seconds
DIN 4	16-17 seconds

Conventional spray (25-35°C)

BSB3	24-26 seconds
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Coverage, mixed ready for use, theoretical value, no loss

@ 23 microns film thickness	13 m ² /litre
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Performance properties (typical)

When tested with CA 40000 over sulpho-chromic pickle pre-treatment CV 116 will pass or exceed the requirements of DEF STAN 80-183/1 e.g.:

Dry adhesion

Cross hatch (ISO 2409)	Grade 0
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Flexibility

Mandrel @ 23°C (ISO 1519)	2mm
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Water resistance

336 hours @ 23°C (ISO 1521)

Cross hatch (ISO 2409)	Grade 1
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Resistance to fluids

Phosphate ester (Type IV)

1000 hours @ 70°C (ISO 2812)

Scratch hardness (ISO 1518) 1200 g

Corrosion resistance, creep

Alternating immersion

1500 hours (EN 3212)	1.25 mm
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Note: The application and performance property values above are typical for the material but are not intended for use in specifications or for acceptance inspection criteria because of variations in testing methods, conditions and configurations.

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Storage life

The storage life of CV 116 is twenty four months from date of manufacture when stored at temperatures between 5°C and 35°C in the original unopened containers. Partly used containers must be re-sealed immediately after use. Once opened, activator ACT 34 must be used within two months.

Health precautions

This product is safe to use and apply when recommended precautions are observed. Before using this product read and understand the Material Safety Data Sheet which provides information on health, physical and environmental hazards, handling precautions and first aid recommendations. An MSDS is available on request. Avoid over exposure. Obtain medical care in case of extreme exposure.

All recommendations, statements, and technical data contained herein are based on tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. User shall rely on his own information and tests to determine suitability of the product for the intended use and assumes all risks and liability resulting from his use of the product. Seller's and manufacturer's sole responsibility shall be to replace that portion of the product of this manufacturer which proves to be defective. Neither seller nor manufacturer shall be liable to the buyer or any third person for any injury, loss, or damage directly or indirectly resulting from use of, or inability to use, the product. Recommendations or statements other than those contained in a written agreement signed by an officer of the manufacturer shall not be binding upon the manufacturer or seller.