

SELECTION & SPECIFICATION DATA

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| Generic Type | Isocyanate Primer |
| Description | Reactamine Primer 28 is a single component resin formulation that is used as a bonding primer over a number of substrates including steel and concrete. It is particularly effective to promote adhesion of polyurea/polyurethane elastomers to steel substrates. It can also be used to prime and seal dry porous substrates such as concrete |
| Features | <ul style="list-style-type: none"> • Excellent bonding primer for polyurea topcoats over steel substrates • Excellent for sealing porous substrates like dry concrete |
| Color | Clear |
| Dry Film Thickness | 13 - 38 microns (0.5 - 1.5 mils) per coat |
| Solids Content | By Volume 100% |
| Theoretical Coverage Rate | <p>78.7 m²/l at 12 microns (3208 ft²/gal at 0.5 mils) 39.4 m²/l at 25 microns (1604 ft²/gal at 1.0 mils) 26.2 m²/l at 38 microns (1069 ft²/gal at 1.5 mils) Allow for loss in mixing and application.</p> |
| VOC Values | As Supplied : 0 |

SUBSTRATES & SURFACE PREPARATION

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| Steel | <ul style="list-style-type: none"> • Remove dirt/dust/grease/oil following SSPC-SP1 • Abrasive blast to SSPC-SP10 • Achieve a 3.0 mil (min) "angular" anchor profile • Ensure dust/smut from blasting operation does not interfere with adhesion |
| Concrete | Concrete shall be designed, placed, cured, and prepared per NACE No. 6/SSPC-SP 13, latest edition. Abrade to remove all laitance, loose concrete, etc. and to create surface profile in accordance with the appropriate ICRI CSP standard for the coating system. |

MIXING & THINNING

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| Mixing | Power mix 3 parts Thinner 225E with one part Reactamine Primer 28. Care should be taken not to whip air into the material during mixing. |
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APPLICATION EQUIPMENT GUIDELINES

Listed below are general equipment guidelines for the application of this product. Job site conditions may require modifications to these guidelines to achieve the desired results.

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| General | Standard airless or conventional spray equipment is suitable for applying this product. |
| Conventional Spray | Pressure pot equipped with dual regulators, 3/8" I.D. minimum material hose, .035-.043" I.D. fluid tip and appropriate air cap |

Reactamine Primer 28

PRODUCT DATA SHEET



APPLICATION EQUIPMENT GUIDELINES

Listed below are general equipment guidelines for the application of this product. Job site conditions may require modifications to these guidelines to achieve the desired results.

Airless Spray

- Pump Ratio: 30:1 (min.)*
- Output PSI: 1500-1800
- GPM Output: 3.0 (min.)
- Material Hose: 3/8" I.D. (min.)
- Tip Size: .011-.013"
- Filter Size: 60 mesh

*PTFE packings are recommended and available from the pump manufacturer.

APPLICATION CONDITIONS

| Condition | Material | Surface | Ambient | Humidity |
|-----------|--------------|--------------|-------------|----------|
| Minimum | 10°C (50°F) | 2°C (35°F) | 2°C (35°F) | 10% |
| Maximum | 38°C (100°F) | 49°C (120°F) | 35°C (95°F) | 80% |
| Optimum | 24°C (75°F) | 24°C (75°F) | 24°C (75°F) | 50% |

Industry standards are for substrate temperatures to be 5 °F (3 °C) above the dew point. Caution: This product is moisture sensitive and needs to be protected from high humidity, dew and direct moisture contact until topcoated. Application and/or curing in humidity above maximum, or exposure to moisture from rain or dew may result in a loss of gloss, micro bubbling, and/or blistering of the product.

CURING SCHEDULE

| Surface Temp. | Dry to Topcoat |
|---------------|----------------|
| 2°C (35°F) | 3 Hours |
| 10°C (50°F) | 1.5 Hours |
| 24°C (75°F) | 30 Minutes |

*Dry to topcoat times listed is a general guideline. Do not topcoat until solvent smell is gone from the film.

CLEANUP & SAFETY

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| Cleanup | Use Thinner 2 or 225E for clean-up. In case of spillage, absorb and dispose in accordance with local applicable regulations. |
| Safety | Read and follow all caution statements on this product data sheet and on the SDS for this product. Employ normal workmanlike safety precautions. Use adequate ventilation. Keep container closed when not in use. |
| Caution | This product does not contain flammable solvents; however, clean-up solvents that may be used do contain flammable solvents. Keep away from sparks and open flames. All electrical equipment and installations should be made and grounded in accordance with the National Electric Code. In areas where explosion hazards exist, workmen should be required to use non-ferrous tools and wear conductive and non-sparking shoes. |

PACKAGING, HANDLING & STORAGE

Shelf Life | 24 months

PACKAGING, HANDLING & STORAGE

**Shipping Weight
(Approximate)** | 9.3 lb/gal. (4.2 kg/gal.)

**Storage Temperature &
Humidity** | 60 to 90 °F (16-32°C)

Flash Point (Setaflash) | 400 °F (204 °C)

Packaging | 5 gal. pails

WARRANTY

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