



Chemline 3107

Direct-to-Metal Aliphatic Polyurethane Coating

Description

Chemline 3107 is a high solids, self-priming, aliphatic polyurethane protective coating for steel. When cured, it is highlighted by:

- ✓ Excellent adhesion for direct-to-metal applications
- ✓ Superior corrosion resistance due to high crosslink density and anti-corrosive additives
- ✓ Very good weatherability - will not chalk or discolor in direct sunlight

Application Recommendations

Chemline 3107 White is mixed 1 part A to 3.5 part B and does not require thinners. It should be applied via brush, roller or spray at a 5-8 mil dry film thickness.

For further detail consult the **Chemline 3107** Material Standard and seek a Chemline Technical Representative for equipment and application training.

Packaging, Storage & Shelf Life

Chemline 3107 is available in 5 gallon pails. It should be stored in sealed containers between 60°F and 90°F. Shelf life is 12 months under normal conditions.

Safety

Chemline 3107 is for industrial use only. Avoid contact with eyes and skin. Do not inhale or ingest. When spraying, wear a respirator or fresh air hood. Spraying indoors requires forced ventilation. Be sure to read MSDS in its entirety prior to use.

Application Properties

Property	Value
Mix ratio (A:B)	1:3.5
*Pot life	40-120 mins
*Cure to touch	30-180 mins
*Cure to handle	3-6 hours
*Recoat window	6-24 hours
Solids, by volume	62 %
Solids, by weight	76 %
VOCs	3.0 lbs/gal

*Values are dependent on amount of accelerator

Physical Properties

Property	Value
Hardness, Shore H, D-3363	2 H
Sag resistance, D-4400	12 mils
Impact strength, D-2794	100 lbs
Flexibility (180° bend over 1/8 inch mandrel), D-522	Pass at 2 mils
Abrasion resistance, D-4060	110 mg loss
Salt fog spray, D-1654	> 2000 hours
Gloss (60° meter), D-523	80+

**Values obtained in laboratory setting for comparison purposes only and should not be considered specifications.

Revised 04/2017

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