

TECHNICAL DATA SHEET

14-7104 MODIFIED EPOXY RESIN SOLUTION

INTRODUCTION

PPI 14-7104 Modified Epoxy Resin Solution is an intermediate molecular weight epoxy resin modified by reaction with phosphoric acid and supplied at 55% NVM in 2-butoxyethanol. The phosphate ester groups offer acid catalysis during heat conversion and anionic sites for water reducibility; allowing the formulation of a variety of solventborne and waterborne industrial baking finishes crosslinked with urea-formaldehyde, melamine-formaldehyde and/or phenolic resins. Properly formulated, PPI 14-7104 Modified Epoxy Resin Solution will yield baking finishes with significant improvements in adhesion (especially on aluminum) and film flexibility/formability with no loss of reactivity, versus "conventional" intermediate molecular weight epoxy resin solutions.

PPI 14-7104 Modified Epoxy Resin Solution is suitable for use in both organo-soluble and waterborne systems.

PPI 14-7104 Modified Epoxy Resin Solution is also available in solvents suitable for air dry, two component urethane systems. See PPI 14-7105 technical bulletin for more information.

HIGHLIGHTS

- Improved adhesion.
- Improved flexibility.
- Improved formability.
- Reducible in solvents or water.
- Ingredients listed on FDA 175.300, b3

SUGGESTED USES

- Coil coating primers.
- Container and drum linings.
- Industrial baking finishes.

PRECAUTIONS

PPI 14-7104 Modified Epoxy Resin Solution contains materials which may cause eye, skin and respiratory tract irritation. This product must be handled with extreme care and in strict adherence to good industrial hygiene practices.

Before using it or any other products referred to in this bulletin, consult the applicable Material Safety Data Sheets for appropriate handling procedures and protective equipment.

CHARACTERISTICS	TYPICAL VALUE
Appearance	Clear amber
Solids % NVM	55%
Viscosity (G-H)	Z5
Red Viscosity (G-H)	U @ 40%
Acid	32
Lbs./Gallon	8.82
Solvent	(2-butoxyethanol)

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