

INTRODUCTION

SETALUX 17-1215 is an acrylic polyol with 4.5% OH that is designed for use with aliphatic polyisocyanates in two-component coatings. These systems cure at ambient or force cure (~180°F surface temperature) systems with good exterior durability, good build and gloss, high end hardness and excellent chemical resistance.

TYPE

Acrylic Polyol

FORM OF DELIVERY (F.O.D.)

68% non-volatile in n-butyl acetate

PRODUCT DATA

Non-Volatile, by wt:	67.0 ± 1.0 %
Viscosity (77° F):	Z to Z2 Gardner Holdt
Acid value, on solids:	5.0 – 10.0 mg KOH/g
Color:	50 maximum APHA
Appearance:	Clean, clear and free from extraneous matter
Density:	8.65 ± 0.10 lbs/gal.
HEW on n.v.:	380
Flash Point:	74° F Setafash
Non-volatile, by vol:	61.2%

PERFORMANCE HIGHLIGHTS

- Excellent chemical resistance
- High end hardness

SUGGESTED USES

- Clearcoats and solid color lacquer systems for automotive refinish and commercial vehicles
- Industrial 2-component topcoats

CURING WITH POLYISOCYANATES

Based on 100% conversion of reactive groups the following equation can be used to calculate the quantity of polyisocyanate needed for crosslinking 100 parts (Setalux 17-1215) (on solids):

$$\text{Polyisocyanate (f.o.d.)} = \frac{42 \times 100 \times \text{OH\% (solid resin)}}{17 \times \text{NCO\% (f.o.d.)}}$$

42 = molecular weight of the NCO-group
17 = molecular weight of the OH-group

Anhydrous solvents as well as solvents free of hydroxyl functional groups should be used in the presence of polyisocyanates, as dilution solvents.

STORAGE

At temperatures up to 100°F storage stability packed in original containers amounts for 3 years.

PRECAUTIONS

Before using SETALUX 17-1215, see the Safety Data Sheet (SDS) for information on the identified hazards of the material and the recommended personal protective equipment and procedures.

STORAGE AND HANDLING

Care should be taken not to expose the product to high temperature conditions, direct sunlight, ignition sources, oxidizing agents, alkalis or acids. Storage and handling should be in stainless steel, amber glass, amber polyethylene or baked phenolic lined containers. Wash thoroughly after handling. Keep container tightly closed. Use with adequate ventilation. See the SDS for the recommended storage temperature range for SETALUX 17-1215.