

INTRODUCTION

Setalux 17-1465 is a hydroxyl-functional acrylic polyol that is used with aliphatic polyisocyanates to form air- and force-drying polyurethane coatings with good gloss retention, light fastness, and chalking resistance. The cured paint films are hard, tough, but flexible, glossy and high-bodied with good resistance to solvents and gasoline.

TYPE

Acrylic polyol

FORM OF DELIVERY (F.O.D.)

65% non-volatile in n-butyl acetate

PRODUCT DATA

Non-Volatile, by wt.:	65.0 ± 1.0 %
Viscosity (23° C):	2400 ± 500 mPa.s
Acid value, as such:	6.5 ± 2.5 mg KOH/g
Color:	100 maximum Hazen
Hydroxyl content, as supplied (theoretical):	2.6 to 3.4 %
HEW as supplied:	570
Density at 20° C:	8.55 lbs/gal
Flash Point:	27° C (CC)
Non-volatile, by vol:	59.0%
Water Content:	<0.1%

PERFORMANCE HIGHLIGHTS

- Good weather stability and chemical resistance
- Hard, tough, flexible, glossy and high-bodied

SUGGESTED USES

- 2K air- and force-drying vehicle refinish paints and industrial finishes

STORAGE

When stored in originally sealed containers at temperatures not exceeding 90°F, the product will remain stable for 36 months, from the date of manufacturing.

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 17-1465) (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.

PRECAUTIONS

Before using SETALUX 17-1465, 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 17-1465.