

INTRODUCTION

SETALUX 17-1746 is an acrylic polyol designed for use with aliphatic poly-isocyanates in 2 component coatings systems to produce a hard durable coating with very good chemical and abrasion resistance. SETALUX 17-1746 also possesses excellent gloss, color retention and durability. The addition of a tin catalyst (0.01 – 0.05% based on resin solids) will improve the film properties. Lower catalyst levels promote better chemical resistance and extended pot life. Higher catalyst concentrations provide very rapid cure times.

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 (77° F):	Z2 – Z4 Gardner Holdt
Acid value, on n.v.:	2 maximum mg KOH/g
Color:	75 maximum APHA
Appearance:	Clean, clear and free from extraneous matter
HEW on n.v.:	800
Density:	8.55 ± 0.10 lbs./gal.
Flash Point:	80° F Setaflash
Non-volatile, by vol:	59.3%

PERFORMANCE HIGHLIGHTS

- Very good chemical and abrasion resistance
- Excellent gloss and color retention
- Good outdoor durability

SUGGESTED USES

- Fast drying basecoats and primers for Car Refinishes
- Fast drying industrial primers and topcoats

STORAGE

In the original sealed containers, this product is stable for 3 years at temperatures up to 100°F.

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 17-1746) (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 17-1746, 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 17-1746.