

INTRODUCTION

SETALUX 17-1196 is an acrylic polyol, with 2.7% OH, that when combined with appropriate aliphatic polyisocyanates, provides rapid ambient curing properties, good through hardening excellent durability, good chemical resistance and outstanding gloss retention. SETALUX 17-1196 also possesses good flexibility when properly cured.

TYPE

Acrylic Polyol

FORM OF DELIVERY (F.O.D.)

60% non-volatile in Aromatic 100

PRODUCT DATA

Non-Volatile, by wt:	60.0 ± 1.0 %
Viscosity (77° F):	W – Y Gardner – Holdt
Acid value (on n.v.):	8 maximum mg KOH/g
Color:	2 maximum Gardner
Appearance:	clean, clear and free from extraneous matter
Density:	8.30 ± 0.10 lbs/gal
HEW on n.v.:	600
Flash Point:	105° F Setafash
Non-volatile, by vol:	54.2%

PERFORMANCE HIGHLIGHTS

- Excellent application properties and DOI
- Good exterior durability and gloss retention
- Excellent resistance properties
- Good adhesion on difficult substrates and plastics

SUGGESTED USES

- Transportation and construction equipment coatings
- Clearcoats for Vehicle Refinishes for excellent outdoor durability
- Topcoats for steel and plastics
- Basis for chemical maintenance coatings

STORAGE

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

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 17-1196) (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 17-1196, 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 17-1196.