

INTRODUCTION

SETALUX 17-1609 is a hydroxy functional acrylic resin designed for use with aliphatic isocyanate resins in two-component systems. These systems produce ambient curing high performance coatings. Laboratory testing indicates excellent resistance to salt spray, water soak and humidity. Based on accelerated weathering tests, exterior durability is excellent.

TYPE

Acrylic polyol

FORM OF DELIVERY (F.O.D.)

60.0% non-volatile in PM acetate / toluene (65 / 35 pbw)

PRODUCT DATA

Non-Volatile, by wt.:	60 ± 1.0 %
Viscosity (77° F):	Y – Z1 Gardner Holdt
Acid value, on n.v.:	10 ± 2 mg KOH/g
Color:	70 maximum APHA
Appearance:	clean, clear and free from extraneous matter
HEW on n.v.:	600
Density:	8.70 ± 0.10 lbs/gal
Flash Point:	45° F Setaflash
Non-volatile, by vol:	55.1%
Reduced viscosity:	I – L Gardner – Holdt @ 50% in toluene

PERFORMANCE HIGHLIGHTS

- Excellent drying properties with slower evaporating solvent
- Excellent application properties
- Good outdoor durability
- Good flexibility and chemical resistance properties

SUGGESTED USES

- Industrial high performance coatings for wood, metal or plastics
- Industrial topcoats for transportation, chemical maintenance or construction equipment
- Industrial topcoats and spot repair clearcoats 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 17-1609) (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 17-1609, 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 17-1609.