SETALUX® 17-1745

Technical Datasheet

INTRODUCTION

SETALUX 17-1745 is an acrylic polyol, with 2.0% OH, that is designed for use with aliphatic poly-isocyanates in 2 component coatings systems. When so used, SETALUX 17-1745 is quick to surface dry and through dry and has a long useful potlife. This resin also has good chemical resistance, excellent mar and stain resistance and good compatibility with cellulosic film formers. SETALUX 17-1745 also possesses good light fastness.

TYPE

Acrylic polyol

FORM OF DELIVERY (F.O.D.)

50% non-volatile in n-butyl acetate

PRODUCT DATA

Non-Volatile, by wt.:	50.0 ± 2.0 %
Viscosity (77° F):	Z2 – Z4 Gardner Holdt
Acid value, on n.v.:	6 – 8 mg KOH/g
Color:	100 maximum APHA
Appearance:	Clean, clear and free from extraneous matter
HEW on n.v.:	850
Density:	8.40 ± 0.10 lb./gal.
Flash Point:	79° F Setaflash
Non-volatile, by vol:	42.9%

PERFORMANCE HIGHLIGHTS

- Excellent drying properties
- Excellent compatibility with cellulosic film formers
- Good outdoor durability
- Good flexibility and chemical resistance properties

SUGGESTED USES

- Industrial lacquers and varnishes for wood
- Fast drying aluminum 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 17-1745) (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 17-1745, 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 17-1745.