

## TECHNICAL DATA SHEET

# SOLVENT-BORNE 2K CLEAR COAT UT595-A-CLEAR(EP)(N)

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### 1. OVERVIEW

KORETHANE TOPCOAT UT595 is a two-component, polyester/acrylic resin based clearcoat with excellent adhesion, flexibility, levelling property and resistance to chemicals.

It is specially designed to coat on plastic parts.

A. Recommended Use : As a clearcoat for use on automotive exterior plastic parts.

### 2. PHYSICAL PROPERTIES

A. Finish and Color : Transparent clear

B. Drying Time : 80°C × 30 minutes (M.P.T)

C. Solids by Volume : Clearcoat 51 ~ 57%

D. Spreading Rate :

13 ~ 17 m<sup>2</sup>/L in 33 microns dry film thickness on a smooth surface.(theoretically)

E. Specific Gravity : 0.97~ 1.03 (kg/L)

F. Viscosity : 54 ~ 60 KU

### 3. APPLICATION DETAILS

A. Surface Preparation : Remove thoroughly any residual release, oil and grease.

Surface preparation agent is Iso Propyl Alcohol(IPA) or aliphatic hydrocarbons.

B. Application Condition : Preferred temperature during application is 20 ~ 28°C and relative humidity preferable 50 ~ 85%.

C. Mixing Base : Curing Agent 995C.A-(N) = 2 : 1 (by volume).

Mix separately, then combine together and mix thoroughly prior to application in the proportion

D. Thinning : THINNER No. 064(BP), TH0050-(N) (Thinning ratio : 30~50%).

Adjust the paint viscosity up to 14 ~ 16 seconds in Ford cup No.4

After thinning, strain the diluted mixture through 325 mesh screen before use.

E. Method of Application : Air spray application

Nozzle orifice : 1.2 ~ 1.5mm / Output pressure : 4 ~ 5 atm

(Above air spray data are indicative and subject to adjustment).

F. Film Thickness : 28 ~ 38 μm

G. Remarks : Use with adequate ventilation.

Avoid prolonged breathing of solvent vapors.

Keep away from sparks and open flames.

Mix thoroughly prior to application.

Store unused material in tightly closed original containers.

※ Issued Date : August 2020

※ Refer to MSDS for the details about product safety.

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