KUBİLAY	TECHNICAL DATA SHEET	Dök.No: ÜRT-TDS-92 Yay.Tar.: 26.02.2016 Rev. No : REVİZYON-01 Rev.Tar. : 06.03.2019 Sayfa : 1/1

PRODUCT	***PU PLUS-ONY TOPCOAT (2+1) ENAMEL, MATTE/ SILK MATTE SYSTEM***
PRODUCT CODE	***211-X3XX*** *(Rarerly, there are also codes (211-2076, 211-2078, etc.) that do not comply with the 211-X3XX code system)*
COLOR	Any colors can be designed upon request other than standart colors (mainly white and grey tones). It is possible to make pastel colors like cream, ivory etc.. by mix sistem pigment paste in site by end users.
DESCRIPTION	It's a solvent borne 2 Pack Polyurethane enamel in different color and gloss values (such as, matte, silk matte), with 2 optional hardener system depending on the expectation of yellowing resistance.

MIXING RATIO & GLOSS VALUE **	**MIXING RATIO (by weight)***	**MIXING RATIO (by volume)**	**2nd COMPONENT** (Low Yellowing Resistance)	**2nd COMPONENT****** (High Yellowing Resistance)	**GLOSS (°60)**
SUPER // FULL MATTE	2+1	1,4+1	379-0025	209-0328 / 0329 / 0033	10±5
MATTE	2+1	1,4+1	379-0025	209-0328 / 0329 / 0033	25±5
SILK MATTE	2+1	1,4+1	379-0025	209-0328 / 0329 / 0033	45±5

***: It can be indicated as gloss value (such as 10 matte etc.) instead of definition like full or super definition, is also applicable for other grades.*

*****: Hardener for high yellowing resistance, there are 3 alternatives depending on the season and the region, the appropriate is provided by Sales Office.*

APPLICATION FIELDS	It is a pigmented topcoat system developed for use in all types of MDF, massive and veneer wooden surfaces with its furniture and decoration works for internal use.
PROPERTIES	High solid content, low VOC Fast drying, High filling power and filling sanding lines Because of high solid content, they supply to save time and labor cost Good levelling and smooth surface High impact and scracth resistance High chemical resistance to water and household chemicals Surfaces has much higher yellowing resistance is obtained by applying with hardener (2nd Component) higher yellowing resistance than the hardener which lower yellowing resistance.

PHSICAL PROPERTIES	White Colors	Dark Colors
Viscosity (D6/20°C)	60" - 110"	30" - 60"
Density (g/cm3; 20°C)	1,3 - 1,5	1,05 - 1,3

MIXING PROPERTIES		
Pot life	.....	5 - 6 hours
Dust Dry (20°C, %50 humidity)	.....	5 - 10 min.
Touch Dry (20°C, %50 humidity)	.....	60 - 90 hours
Set Dry (20°C, %50 humidity)	.....	24 hours

DILUTION RATIO

Topcoats which prepared according to mixing ratios given above are diluted by Kubilay PU thinner by 15-20% as weight;

			Hardener with Low Yellowing Resistance	Hardener with High Yellowing Resistance
211-X3XX	1st Component	.....	2 Part (12 kg / pack)	2 Part (12 kg / pack)
379-0025	2nd Component	.....	1 Part (6 kg / pack)	-
209-0XXX	2nd Component	.....	-	1 Part (6 kg / pack)
921-0222	PU Thinner	.....	0,45 - 0,6 Part (2,7 - 3,6 kg) ******	

*******: Some dark colors may require additional thinner*

*: The expected performance of the product depends on the accuracy of the mixing and dilution process. Since the presentation of the products is made by packing according to the mixing ratio by weight, it is especially recommended to be made by weight by weighing in order to be sensitive to the preparation of the mixture for the application.

APPLICATION METHOD :

Preperation: Before mixing, first component should be stirred well, then first and second component are mixed according to mixing ratio as much as desired amount, mixture is stridded to obtain a homogenious mixture once again. Finally, for adjusting application viscosity, required amount (according to information which is given in mixin ratio) thinner is added by mixing. Make sure a homogenious mixture is obtaioned before application.

It is applied directly by spraying on the surfaces previously primed by any of Kubilay polyurethane or polyester primers.The product should be prepared according to mixing ratios given above and is sprayed in two or three cross-wise layers (Recommended:120-140 g/m2).

When applied in a single layer with a thickness of 30-35 microns dry film, 8-10 m^2 area can be covered with 1 kg(except for losses).

STORAGE:

1st Components will remain stable for at least 12 months and 2nd Components is 6 months when stored in their original packs in a dry place at storage temperatures between 5-35 °C.

It's recommended to read SDS before applications.

Important Note: This information is based on our present state of knowledge and is intended to provide general notes on Kubilay Products and their uses. However without garantee as conditions and methods of end users are beyond our control. We recommend that end users determine the suitability of the materials before adapting them on a commercial scale.