ESACOTE® - WATER BASED RESINS FOR METAL COATING APPLICATIONS
INFORMATION & TYPICAL VALUE CHART

lamberti

Products families and main features		*inventory status*				*main application*				*chemical properties*					*film properties*			
		TSCA	DSL	IECSC	ECL	ANTIFINGERPRINT	PRETREATMENT	PRIMER	TOP COATS	CHEMICAL NATURE	SOLVENT (%)	SOLVENT TYPE	DRY CONTENT (%)	pH	MFFT (°C)	KÖNIG HARDNESS (sec)	ELONGATION AT BREAK (%)	TENSILE STRENGHT (MPa)
Water based acrylic emulsions																		
AC 200*	FCMD - Self crosslinking	OK	OK	OK	OK	●	●	●	●	AC	0	SOLVENT FREE	40	8.0-10.0	10	40	NA	NA
AC 4729*	CATIONIC - Anticorrosion	OK	OK	OK	OK	●	●	●		AC	0	SOLVENT FREE	40	5.5-7.0	16	50	NA	NA
Water based urethane acrylic dispersions																		
PU 98/N	Enhanced adhesion	OK	OK	OK	OK	●	●			PC	15	NEP	31	7.0-9.0	5	120	NA	NA
Water based BIOBASED polyurethane dispersions																		
BiO 118	33% Renewable content	OK	OK	OK	OK	●	●			PES	8	DPGDME	32	7.5-8.5	25	170	NA	NA
Water based polyurethane dispersions																		
PU C1	CATIONIC - High water resistance	-	-	OK	-	●	●	●		PC	<1	MEK	30	4.0-6.0	<5	25	300	27
PU HMF	Alcohol/Alkali resistance	OK	-	OK	OK	●	●			PES	8	NEP	30	7.0-9.0	< 5	125	150	10
PU 40	Excellent overall compatibility	OK	OK	OK	OK			●		PES	<1	MEK	35	7.5-9.5	5	55	420	30
PU 61	Antiscratch	OK	OK	OK	OK				●	PC	8	DPGDME	35	7.0-9.0	25	150	190	18
PU 70	Excellent film formation/hardness	OK	OK	OK	OK	●	●			PC	8	NEP	35	7.0-9.0	10	150	NA	NA
PU 71	Excellent film formation/hardness	OK	OK	OK	OK	●	●			PC	8	NMP	35	7.0-9.0	10	135	200	23
PU 77	Improved mech. / chemical resistance	OK	OK	OK	OK	●	●		●	PC	<1	MEK	35	7.0-9.0	35	110	250	26
PU 931	NON IONIC - Flexible & Hydrophobic	OK	OK	OK	OK	●	●			PE	<1	ACETONE	30	8.0-10.0	<5	NA	900	1
PU 6419*	Excellent alkaly resistance	-	-	OK	OK	●	●			MIX	15	NEP	32	7.0-9.0	<5	150	NA	NA
PU 6814	Excellent film formation/hardness	OK	OK	OK	OK	●	●			PC	14	NMP	35	7.0-9.0	5	140	120	30
Crosslinkers										***Chemico-physical properties***								
CATALYST AT5/N	Extended pot life	OK	OK	OK	OK	Polyaziridine		-		35		DPGME	65	-	-	Water Soluble		
CROSSLINKER 08	NCO Content: 11% as supplied	OK	OK	OK	OK	Polyisocyanate		-		30		PROPYLEN CARBONATE	70	-	-	Easily dispersible		
CROSSLINKER BK0	Deblocking @130°C: 1.5% as supplied	OK	-	OK	OK	Blocked Polyisocyanate		-		4		DPGDME	25	7.0-9.0	-			
CROSSLINKER BK18	Deblocking @140°C: 4% as supplied	-	-	-	-	Blocked Polyisocyanate		-		<1		ACETONE	30	7.0-9.0	-	MEKO free		
Rheological modifiers										***Chemico-physical properties***								
VISCOLAM PS 166	Low/Medium Shear HEUR	OK	OK	OK	OK	Medium PVC/gloss paints		-		24		BUTYL CELLOSOLVE	40	4.0-6.0	-	KU Builder		
VISCOLAM PS 167	Low/Medium Shear HEUR	OK	OK	OK	OK	Medium PVC/gloss paints		-		24		BUTYL CARBITOL	40	4.0-6.0	-	KU Builder		
VISCOLAM PS 202	High Shear HEUR	OK	OK	OK	OK	Medium PVC/gloss paints		-		0		SOLVENT FREE	20	4.0-7.0	-	ICI Builder		

* development product
NA not applicable
FCMD food contact material declaration available
DPGME dipropylene glycol methyl ether
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AC acrylic product
PC polycarbonate
PE polyether
PES polyester
SIL silicon modified

Above data cannot be considered as supply specification.

This information is given in good faith and to the best of our knowledge. Every user of our products is responsible as regards the observation of all legal regulations including patent laws.
Detailed information on handling, and specific precautions to be observed in the use of the product can be found in our relevant Health and Safety Information Sheets.

REV. 5 - January 2020