

Resins for coatings / Polyester resins, saturated

Product	Fields of use	nvc (%)	solv.	OH value	OH cont. (%)	AV	Iod-col.	Flowtime in s.	Visc. mPas	solv. %	AV typical	Haze n-col.	Sustainable Parts (%)	Gard-col.	pH value	hardener	ratio resin/hardener	Base	VOC (g/L)	stoving condition
SYNTHOESTER 1018	two-pack coatings in association with aliphatic or aromatic polyisocyanates, air and oven-drying, good resistance to weather	75	X	155 - 175	ca. 5,0	< 15	< 3 (50% X)	130 - 250 (50% X)												
SYNTHOESTER 1080	two-pack air- and oven-drying coatings in association with aromatic polyisocyanates, hard films, resistant to chemicals	85	MPA	280 - 320	8,8	< 4	< 5 (70% MPA)		1.200 - 1.600 (70% MPA)											
SYNTHOESTER 1110	two-pack air- and oven-drying coatings in association with aromatic polyisocyanates	100		220 - 240	ca. 6,5	< 4	< 4 (70% MPA)		300 - 600 (70% MPA)											
SYNTHOESTER 1130	in combination with isocyanate prepolymers such as Desmodur L or N for air-drying two-pack PU coatings	75	X	128 - 152	ca. 4,3	< 15 (Lffm.)	< 4 (Lffm.)		50 - 95 (50% X)											
SYNTHOESTER 1130	in combination with isocyanate prepolymers such as Desmodur L or N for air-drying two-pack PU coatings	75	Buac	128 - 152	ca. 4,3	< 15	< 4 (Lffm.)		1.300 - 1.500											
SYNTHOESTER 1165	two-pack air- and oven-drying coatings in association with aliphatic polyisocyanates, excellent resistance to weather	65	MPA/X (1:1)	240 - 290	ca. 8,0	< 4	< 3 (50% MPA)		350 - 750 (50% MPA)											
SYNTHOESTER 1179	soft-feel coatings	100		50 - 65	ca. 1,8	< 4	< 4 (Lffm.)		15.000 - 25.000											
SYNTHOESTER 1402	In combination with suitable isocyanates for so-called soft-feeling paints	100		120 - 140	ca. 4,0	< 15	< 3 (Lffm.)		15.000 - 25.000											

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									0											
SYNTHOESTER 1680	fast-drying, air- and oven-drying two-pack coatings in association with aliphatic polyisocyanates, for industrial and automotive paints, excellent resistance to weather	60	X	110 - 130		10 - 25	max. 3 (Lffm.)		2.000 - 3.000											
SYNTHOESTER 1680	fast-drying, air- and oven-drying two-pack coatings in association with aliphatic polyisocyanates, for industrial and automotive paints, excellent resistance to weather	70	Buac	110 - 130		10 - 25	max. 3 (Lffm.)													
SYNTHOESTER 1690	air- and oven-drying two-pack coatings in association with aliphatic polyisocyanates, little curing agent required, good gloss retention and colour stability, compatible with alkyd resin pastes	60	X	ca. 60	ca. 1,8	< 30	max. 3 (Lffm.)		2.000 - 3.000											
SYNTHOESTER 186 HS	in combination with amino resins and CAB for base coats and stoving paints. In combination with aliphatic polyisocyanates, air- and oven-drying two-pack high-solids top coats and extenders with good mechanical values, high gloss, good adhesion, very good resistance to chemicals, and very good gloss retention and colour stability.	80	Buac	200	6	14 - 20			1.000 - 1.600 (70% Buac)											
SYNTHOESTER 215 HS	In combination with melamine resins and CAB for base-coat enamels. In combination with aliphatic polyisocyanates air- and oven-drying 2 pack high-solid laquers and fillers with high mechanical properties, high gloss and body, very good chemical- and weatherresistance.	80	Buac	205 - 235	6,7	14 - 20			16.000 - 24.000											
SYNTHOESTER CC 55	For can- and coil coating and as hydrofiller for 1 pack water- and conversional stoving drying coatings	70	BG			40- 45	max. 10 (Lffm.)		20.000 - 30.000											

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SYNTHOESTER HD-080	soft-feel coatings and low-temperature elastic two-pack coatings	100		80 - 90	2,4	3 - 5			15.000 - 20.000											
SYNTHOESTER HD-165	hydroxyl group-containing polyesters for giving elasticity or for two-pack coatings, low-temperature elasticity	80	SSA	160 - 180	ca. 5,0		< 2 (60% EPA)		4200-6000											
SYNTHOESTER HD-170 HS	hydroxyl group-containing polyesters, especially for giving elasticity with polyisocyanate-curing acrylic resin combinations	80	SSA/EPA (1:4)	145 - 170	ca. 5,1	14 - 18 (nfA)		74-90 (60% EPA)												
SYNTHOESTER TC 1995	In combination with melamin resins for can - und coil coating with good weathering, elasticity and adhesion.	70	Solv. DPM/Solv. PM (2:1)	95 - 115		2,9 - 3,5		15000 - 25000		30	40 - 55	< 8	30							
Synthoester TH 2325	Hydroxyl group-containing polyester resin for 1k and 2k scratch-resistant and self-healing paints for the automotive sector	65	Buac	200 - 240	6,1 - 7,3	< 6			2000 - 5000					< 1						
Synthoester TH 2532	Hydroxyl group-containing polyester resin for 1k and 2k scratch-resistant and self-healing paints for industrial paints	70	Buac	200 - 240	6,1 - 7,3	< 6			1200 - 3400					< 1						
Synthoester TH 2844	Hydroxyl group-containing polyester resin for 1k and 2k scratch-resistant and self-healing paints for industrial paints	70	Buac	180 - 220	5,5 - 6,7	< 6			700 - 1700					< 1						
SYNTHOESTER TS 1713	use and properties as SYNTHOESTER 186 HS with lower VOC value and higher hydroxyl value	80	Buac	225 - 265	7,4	14 - 20 (nfA)			500 - 1.000 (70% Buac)											
SYNTHOESTER TS 2245	Siloxane modified polyester resin for scratch resistant low voc top coats. In combination with melamines for baking enamels or with polyisocyanates for ais dryin 2 K.	79-81	Buac	190 - 250	6,4	<10(nfA.)			250 - 450(70% Buac)											

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SYNTHOESTER TS 4309	very flexible 2pack-coating for soft-feeling-coatings, with amines even used for waterdilutable coatings	99-100		80 - 90	2,6	<20(nfA.)			15.000 - 25.000											
SYNTHOESTER W 142	for air- and forced drying top coats on metal, glass, wood and plastic substrates with very good adhesion, weathering and chemical resistance.	50	Wasser/PnB/DM EA				nicht messbar		3.000 - 8.000						7,7 - 8,6					
Synthoester W TE 1900	Industrial, Can – and Coil – Coatings with high weather- and chemical resistances, tough elasticity, adhesion, hardness.	40	DME A/Wasser	120 - 150	3,6 - 4,5				2000 - 6000	0			25		6,0 - 8,0	Melaminharz/gelblocke Polyisocyanate	80 : 20	Polyester	< 10	>120 °C 20 min