

Your best partner

ShinEtsu
SE Tylose GmbH & Co. KG

Tylose®

for the Construction and Paint Industry



Modern, efficient construction and coating are inconceivable without the highly developed chemistry of building and coating materials. Intensive research and development as well as state of the art production facilities yield ultra-modern products of consistently high quality. SE Tylose GmbH & Co. KG also offers an individual technical service and support. For all these reasons SE Tylose GmbH & Co. KG is one of the world's foremost suppliers to the construction and paint industry. Our Tylose® cellulose ethers act in paints and building materials as a water retention agent, thickener, stabilizer, binder, and dispersing agent. These versatile properties, which are often used in combination, account for the wide range of uses of Tylose cellulose ethers.

Nomenclature of Tylose

Example MC

MHS		150003		P4	
Chemical composition and Type of etherification		Viscosity level and modification		Particle size distribution and chemical refinement	
M	Type of ether	:	Viscosity level	Y	Delayed solubility products
	Methyl	60000	The viscosity level is based on Hoesppler: 2% solution of the commercial product with 5% moisture content, 20°C, 25°English hardness		
H	Hydroxyethyl	30000			
	O	Hydroxypropyl		15000	
Degree of etherification		10000			
	B	Special higher degrees of etherification, depending on the individual type of ether		6000	
S		Special etherification		4000	
	2000				
T	Special etherification	200			
		01		consistency increasing modification	
Z	Special etherification	02		The least one of the two last digits is a number > 0	
		03			
P	Ultra fine powder (< 100 µm)	04			
		:			
G	Granules (< 500 µm)	04			
		G 4			
G	Granules (< 400 µm)	G 6			
		G 6			
G	Granules (< 300 µm)	G 8			
		G 8			
P	Powder (< 180 µm)	P 2			
		P 2			
P	Fine powder (< 125 µm)	P 4			
		P 4			
P	Ultra fine powder (< 100 µm)	P 6			
		P 6			

Example HEC

HS		30000		YP2	
Chemical composition and Type of etherification		Viscosity level		Particle size distribution and chemical refinement	
H	Type of ether	:	Viscosity level	Y	Delayed solubility products
	Hydroxyethyl	60000	The viscosity level is based on Hoesppler: 2% solution of the commercial product with 5% moisture content, 20°C, 25°English hardness		
A	Allyl	30000			
	X	hydrophobe etherification		15000	
Degree of etherification		6000			
	S	higher etherification, biostable		4000	
S		higher etherification, biostable		1000	
	S	higher etherification, biostable		300	
S		higher etherification, biostable		:	
	G	Granules (< 500 µm)		G 4	
G 4					
P	Powder (< 180 µm)	P 2			
		P 2			

Tylose® Construction Grades - Selection

Tylose Grades	Modification							Tile adhesives	Adhesives for block laying
	Delayed solubility	None	Very slight	Slight	Moderate	Significant	Extreme		
MH 2000 YP2	●	●							
MB 3003 P4						●		■	
MH 6000 YP4	●	●							
MH 6002 P4					●				
MO 6009 P4						●		■	
MH 10002 YP6	●			●				■	□
MH 10005 P2						●		■	
MH 10007 P4					●			■	□
MB 10008 P4							●	■	
MHS 10012 P6					●			□	□
MH 10013 P4							●		
MBZ 15000 P4		●						□	
MH 15002 P6					●				■
MB 15009 P2					●			■	
MH 15012 P6			●						□
MB 30002 P2							●	■	
MHS 30007 P6				●					■
MO 30023 P4						●			
MH 60000 P6		●						■	■
MH 60001 P4			●					□	■
MH 60004 P6					●			□	
MH 60009 P4							●		
MH 60010 P4					●				
MO 60016 P4			●					□	
MH 60017 P4						●			
MH 100001 P6			●					■	
MHS 100003 P4			●					■	
MHS 150003 P4					●			□	□
MHS 300000 P6		●						■	□
MHS 300002 P6					●			■	□
H 20 P2	●	●							
H 300 P2	●	●							

Cement based building materials						Gypsum based building materials				
Adhesives and levelling compounds for EIFS (exterior insulating finishing systems)	Machine applied cement-lime based renders	Decorative finish coatings	Self levelling compounds	Trowelling compounds	Grouts (joint fillers for tiles)	Gypsum based adhesives	Mounting binders	Jointing compounds	Bonding plasters	Machine applied gypsum based plasters
			☐		■					
				☐	■					
☐	☐	■		☐	☐	☐	☐	☐	☐	
■		■		■				☐	■	
	☐	■		☐		☐	☐			
■	■					■	■	■		
■	■	☐				☐		☐	☐	■
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	■			☐				☐	☐	■
										■
	☐									■
			■							
			■		☐					

■ highly recommended

☐ recommended

Tylose® for Coating Materials

Tylose Grades	Paints and other applications											Paste-like systems					
	Interior paints	Solid paints	Exterior paints	Silicone resin paints	Tinters	Powder paints	Silicate paints	Limewash paints	Cement paints	Paint-stripping pastes	Distempers	Glazes	Emulsion based plasters	Silicate based renders	Emulsion based tile adhesives	Emulsion based adhesives	Gloss effect top coats
H 300 NG4																■	
H 1000 YP2	■	■	□	□	■	□	■	□	□		■	■					
H 6000 YP2	■	■	■	□	■	□	■	□	□		■	■	□	■		■	■
H 15000 YP2	■	■	■	■	■	□	■	□	□		□	■	■	■		■	■
H 30000 YP2	■	■	■	■	■	□	■	□	□				□	■		□	■
H 60000 YP2	■	□	■	■	□	□	■	□				□		□			■
H 100000 YP2	■	□	■	□													□
HS 6000 YP2	■	■	■	□	■	□	□	□	□		■	■	□	■		■	■
HS 15000 YP2	■	■	■	■	■	□	□	□	□		□	■	■	■		■	■
HS 30000 YP2	■	■	■	■	■	□	□	□	□				□	■		□	■
HS 60000 YP2	■	□	■	■	□	□	□	□				□		□			■
HS 100000 YP2	■	□	■	□													□
MH 200 YP2		□				□		□	□		□		□				
MH 2000 YP2	□	■	□			■		■	■		■	□	■		□		
MH 4000 KG4	□	■	□			■		■	■		■	□	□		□		
MH 6000 YP4	■	■	■	□		■		■	■		■	■	■		■		□
MH 6000 YG8	■	■	■	□		■		■	■		■	■	□		□		
MH 10000 KG4	□	■	□	□				■	■			□	□		□		
MH 15000 YG8	■	■	■	■				■	■				□		□		□
MH 30000 YP4	□	□	□	□		□		□				□		□	■		■
MH 30000 YG8	■	□	■	■				■							□		
MHS 60000 YP4														□			■
MB 60000 P2										■							
MOT 60000 YP4										■				■	■		■
HX 4000 YP2	■		■	■	□												
HX 8000 YP2	■		■	■	□												

■ highly recommended □ recommended

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