

Emulsion Polymer Isocyanate (EPI)

Emulsion Polymer Isocyanate (EPI) adhesives are two-component systems that combine a water-based emulsion with an isocyanate hardener.

EPI adhesives bond various types of wood, including hard and soft woods, and are effective even with wood that has high moisture content. They offer excellent resistance to heat, solvents, and moisture, making them suitable for a wide range of applications.

EPI adhesives are water-based and do not contain formaldehyde, resulting in low VOC content and making them more environmentally friendly.

EPI is suitable for structural applications like glued laminated timber and ideal for assembling furniture and other wood products.

WOOD
SOLUTIONS



TECHNOLOGY

EPI Product overview

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Dynea Leaflet-v 2.1



Dedicated to
wood adhesives

Adhesive system	Mixing ratio [pbw]	Pot life [min]	Setting speed	Application									Approvals												
				Veneering	Solid Wood Panels	Solid Wood Lamination	I-Beams	Glulam	Form Bending	Flooring / Parquet	Finger jointing	Doors & BoF	Cross Laminated Timber	JAS Glulam	EN 13353	EN 14080	EN 16351	EN 15497	JAS for Flooring	EN 204/205 - D4	EN 16254	EN 14257 - Watt 91	EN 12765 - C4	ASTM D2559	KOMO
Prefere 6150 / 6650	100:15	45	+++					◆						◆ ¹					◆			◆			◆
Prefere 6151 / 6651	100:15	45	++		◆	◆	◆	◆			◆			◆ ¹	◆	◆		◆	◆	◆	◆	◆	◆	◆	◆
Prefere 6181 / 6681	100:15	45	++			◆								◆ ¹	◆			◆			◆				
Prefere 6182 / 6682	100:15	45	++		◆	◆	◆	◆			◆		◆	◆ ²	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆
Prefere 6183 / 6683	100:20	45	++		◆	◆	◆	◆			◆		◆		◆	◆	◆	◆	◆	◆	◆	◆			
Prefere 6184 / 6682	100:15	45	++					◆						◆ ¹											
Prefere 6170 / 6670	100:15	45	+++			◆												◆		◆	◆			◆	
Prefere 6171 / 6671	100:15	45	++			◆												◆		◆	◆			◆	
Prefere 6175 / 6671	100:15	30	++++							◆		◆						◆		◆	◆				
Prefere 6190 / 6670	100:10	45	+++	◆ ⁴					◆	◆		◆ ⁴						◆	◆		◆	◆			
Prefere 6190 / 6671	100:10	45	+++						◆ ³	◆ ³								◆		◆	◆				

INDICES:

- 1) Face gluing and finger jointing small and medium dimensions, exposure condition C
- 2) Face gluing and finger jointing exposure condition B and C
- 3) For specially demanding interior constructions
- 4) Suitable for veneering and / or assembly of Board-on-Frame in a 1-step process

NOTE: The setting speeds stated are not application-dependent and can be used as guidelines → + = slow, ++ = medium, +++ = fast, ++++ = extra fast
Please check the Technical Datasheet for further details.