



## Technical Data Sheet

# Emulsion Poly-Isocyanate (EPI) Prefere 6116

Application	Plywood, Flooring		
Character	Three components (Matrix + Modifier +Hardener) emulsion poly-isocyanate adhesive, Good bonding strength, Cured by hot press. <b>Free of formaldehyde, phenol, heavy metal, and other hazards.</b> Good for general wood species.		
Matrix	Name	<b>Prefere 6116</b>	
	Appearance	White, milk –like liquid	
	Viscosity	3000-7000 cps (25°C)	
	Solid Content	43-46%	
	pH	4.0-7.0	
	Specific Gravity	1.0±0.1	
	Package	1200kg, 30kg	
	Storage	At room temperature, Prefere 6116 may be stored for about 6 months and for shorter duration at higher temperature. The temperature for adhesive storage should be above 5°C to avoid freezing.	
Modifier	Name	<b>Prefere 5925</b>	
	Appearance	Grey powder	
	Package	25kg	
	Storage	6 months after production in sealed container at room temperature.	
Hardener	Name	<b>Prefere 6653,Prefere 6658</b>	
	Appearance	Brown liquid	
	Viscosity	< 0.2 Pa.s (25°C)	
	Package	250kg, 10kg, 4.5kg	
	Storage	12 months after production in sealed container at room temperature.	
Technical Parameters (Example)	Mixing Ratio	Matrix : Modifier : Hardener : water = 60 : 30-35 : 15-20:35-45 (by weight)	
	Glue Spread	120-180 g/m <sup>2</sup>	
	Moisture Content of Wood	6-12%	
	Setting Temperature	80-100°C	
	Pressing Time	8-10 minutes	
	Pressing Pressure	8-15 kg/cm <sup>2</sup>	
	Conditioning after pressing	24 -72 hours	

*The suggestions given in these notes are based on data gained from experience and tests, however, operation conditions in the user's plant are beyond our control. Therefore, we cannot assume responsibility for any risks or liabilities, which may result from the use of our products. This edition of technical data sheet supersedes all previous one and is valid from the date of compilation.*