



Dispercoll® U 58/1 PLUS

New Polyurethane Dispersion (PUD)
solution with sustainable initial heat
resistance



Initial heat resistance @ r.m.



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Background

Traditional one component polyurethane dispersion usually faces issues of decomposition during long time storage.

The newly developed Dispercoll® U58/1 PLUS inherits the basic features from Dispercoll® U58 /1 used in the two component system for qualified bonding properties in terms of:

Basic property

- Bonding strength
- Heat resistance
- Hydrolysis resistance
- Broader substrate adaptation
- Quality consistency
- Better brushability leading to brush smoothly adhesive

While with unique property

- Longer storage stability which can achieve
 - 200 more days at 23 °C
 - 30 more days at 40 °C



Initial heat resistance @ 40 °C



Item	Unit	U58/1	U58/1 PLUS	Method
Non-volatile content (1g/1h/125)	%	49-51	49-51	DIN EN ISO 3251
Viscosity at 23, Spindle L2/30rpm	mPa.s	<1200	< 1000	DIN 53019
pH	-	6.0-9.0	6.0-9.0	DIN ISO 976
Surface temperature	°C	50~70	50~70	
Storage temperature	°C	15~25	15~30	



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