

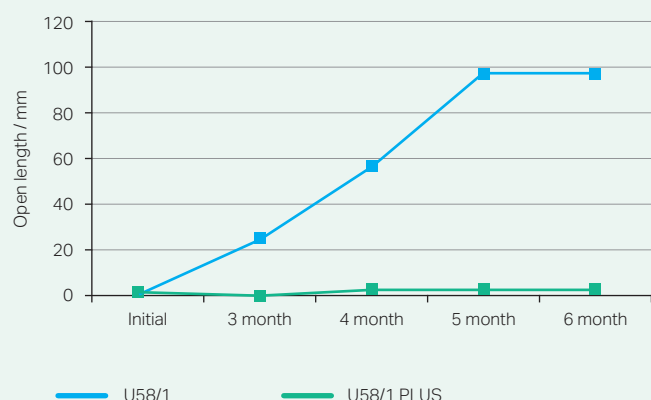


Dispercoll® U 58/1 PLUS

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



Initial heat resistance @ r.m.



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

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

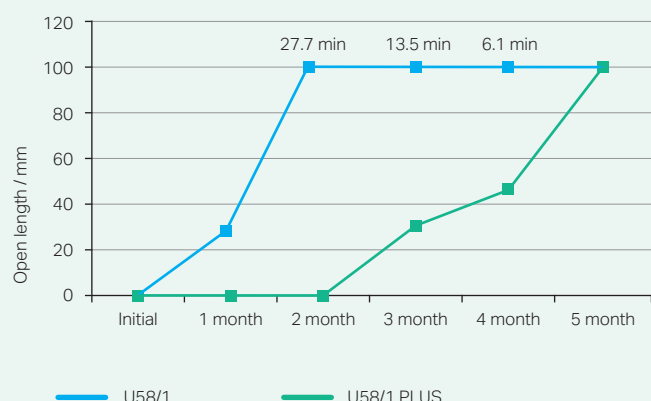
- Bonding strength
- Heat resistance
- Hydrolysis resistance
- Broader substrate adaptation
- Quality consistency
- Better brushability leading to brush smoothly adhesive

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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