

**Type** Urea Fomaldehyde

**Product description** **ProFect® 2521** is a UF adhesive used together with the hardener **ProFect® 9541 UA**.

**Area of use** **ProFect® 2521** and **ProFect® 9541 UA** are liquid products, used for production of flooring, plywood and wood lamination in the furniture and woodworking industry. It is used in cold-, warm- and HF-presses, where extreme low emissions of formaldehyde are required.

**Technical data**

	<b>ProFect® 2521</b>	<b>ProFect® 9541 UA</b>
	Resin	Hardener
<b>Dry content:</b>	Approx. 68 %	Approx. 65%
<b>Density:</b>	1,3 kg/L	1,1 kg/L
<b>pH:</b>	7,5 – 9,0	1,5 – 2,5
<b>Viscosity at delivery:</b>		
• <b>Brookfield 15°C</b>	2.500 mPas	
• <b>Brookfield 20°C</b>	2.100 mPas	400 – 1.000 mPas
• <b>Brookfield 25°C</b>	1.700 mPas	
• <b>Cup 6 15°C</b>	100 sec. ± 15	
• <b>Cup 6 20°C</b>	80 sec. ± 15	20 sec. ± 5
• <b>Cup 6 25°C</b>	50 sec. ± 15	
• <b>Cup 6 20°C</b> Mixed 100:20		55 sec. ± 15

**Processing**

<b>Application</b>	Mixed with roller
<b>Wood moisture</b>	7 – 13 %
<b>Coat weight</b>	Approx. 150-160 g/m <sup>2</sup> *
<b>Press temperature</b>	80 – 120 °C*
<b>Glue line pressure</b>	5 – 7 kg/cm <sup>2</sup>
<b>Press time</b>	Down to 3 minute*
<b>Safety</b>	Read the MSDS carefully.

\*Based on laboratory test, test on actual line is needed in order to determine correct parameters.

**Mixing of the adhesive:**

<b>PT2521:PT9541 UA</b>	<b>100:20</b>
<b>Gel time, 100 °C (water-method)</b>	35 sec. ±5
<b>pH, 20,0 °C</b>	2,6 - 4,6

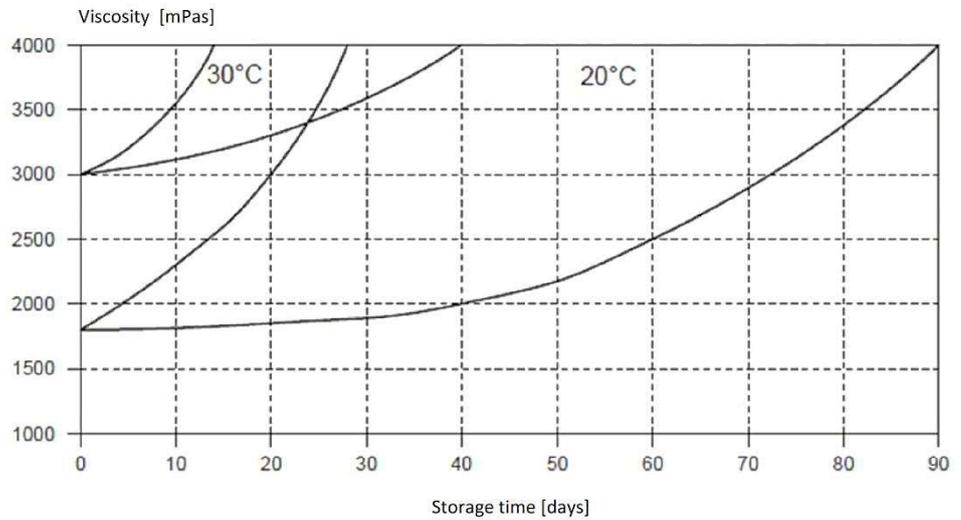
<b>PT2521:PT9541 UA</b>	<b>100:15</b>	<b>100:18</b>	<b>100:20</b>	<b>100:22</b>
<b>Pot life, 15 °C</b>	5 h 40 m.	4 h 20 m.	3 h 35 m.	2 h 50 m.
<b>Pot life, 20 °C</b>	105 min	75 min	70 min	60 min

**Cleaning** Hot water (45°C), urea can be added

**Packaging** Please contact the sales department in order to obtain further information.

**Storage** Temperature best between 5 – 15 °C.

Graph of viscosity increase when stored at 20 °C and 30 °C



**Disclaimer** The instructions and data included in the actual product data sheet are to provide information concerning the application and selection of our products. Therefore we do not provide any guarantee and shall not be held liable for any damages resulting from the use of our products, including any discolouring, influences etc. We strongly recommend the users to conduct the necessary tests prior to initiating production, in order to determine the usability of a particular product for a given purpose. This should be conducted in accordance to the user's manufacturing guidelines. When assessing the usability of a product please consider the type of material, condition and age/lifetime of the material, as should the tests be repeated when the materials and/or production conditions change, also when the material provider changes