

## ROWAFLEX TH 5

Highly efficient, APEO free synthetic Thickener for aqueous pastes and polymerdispersions

<b>Type</b>	Thickener
<b>Chemical character</b>	Polyacrylic derivative
<b>pH value</b>	7
<b>Ionogenity</b>	anionic
<b>Appearance</b>	Slight yellowish, low-viscous liquid dispersion
<b>Product viscosity</b>	<3000 mPa.s (Brookfield (23°C))
<b>Ratio of renewable raw materials</b>	0 %
<b>Biodegradability</b>	yes (89%)
<b>Properties</b>	<p>ROWAFLEX TH 5 is a thickener for polymer dispersions. The excellent efficiency of ROWAFLEX TH 5 makes it possible to significantly reduce the amount of use compared to conventional thickeners. To achieve the high efficiency of the product is in the neutral and in the alkaline range. ROWAFLEX TH 5 gives the polymer dispersion following properties:</p> <ul style="list-style-type: none"> <li>• reaches the final viscosity after short mixing time in high field intensity</li> <li>• has a positive influence on the rheological behavior of the paste</li> <li>• high viscosities can be reduced with water</li> <li>• TH 5 cannot be diluted with water nor stock solution can be made</li> <li>• is self thickening</li> <li>• APEO free (low fume)</li> </ul>
<b>Application</b>	<p>ROWAFLEX TH 5 is a special thickener for thermoplastic powder/aqueous dispersions that are applied on rotary printing equipment. The required quantity of the finished product varies depending on the print template (mesh number/CP) and is between 0.4 and 0.6% in relation to the total paste quantity (evaluate a final viscosity of approx. 7.500-10.500 mPas).</p>

Die vorstehenden Angaben entsprechen dem derzeitigen Stand unserer Erkenntnisse und Erfahrungen. Wir beraten Sie damit unverbindlich und bitten Sie, alle Angaben über die Verwendung unserer Produkte auf die bei Ihnen vorliegenden Verhältnisse abzustimmen und den verwendeten Materialien anzupassen.

All information provided is based on our experience and current know-how but is given without guarantee and obligation. Recommendations on the application and use of our products should be adapted to the particular conditions and other materials employed.

**Recipe recommendation****Copolyamide paste**

Water / H <sub>2</sub> O	55 kg
ROWAFLEX DF 2	0.2 kg
ROWAFLEX X 572	1 kg
ROWALIT 200-1, 0-80	30 kg
ROWAFLEX TH 5	0.4 kg
ROWAFLEX X 100	10 kg

**Copolyamide paste with plasticizer**

Water / H <sub>2</sub> O	55 kg
ROWAFLEX DF 2	0.2 kg
ROWAFLEX X 502	3 kg
ROWALIT 200-2, 0-80	30 kg
ROWAFLEX TH 5	0.4 kg
ROWAFLEX X 100	10 kg

**Crosslinkable paste system**

Water / H <sub>2</sub> O	55 kg
ROWAFLEX DF 2	0.2 kg
ROWAFLEX X 600	3 kg
ROWALIT 200-63, 0-80	30 kg
ROWAFLEX TH 5	0.4 kg
ROWAFLEX X 100	10 kg

**Polyethylene Paste**

Water / H <sub>2</sub> O	55 kg
ROWAFLEX DF 2	0.2 kg
ROWAFLEX X 502	3 kg
ROWALIT N 100-20, 0-80	30 kg
ROWAFLEX TH 5	0.4 kg
ROWAFLEX X 100	10 kg

**Polyurethane paste**

Water / H <sub>2</sub> O	55 kg
ROWAFLEX DF 2	0.2 kg
ROWAFLEX X 502	3 kg
ROWALIT 500-37, 0-80	30 kg
ROWAFLEX TH 5	0.4 kg
ROWAFLEX X 100	10 kg

The addition of ROWAFLEX TH 5 should be done slowly to securely reach the required viscosity.

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