



ROWAFLEX® TH 3

Highly efficient synthetic Thickener for aqueous pastes and polymerdispersions

Type	Thickener
Chemical Basis	Polyacrylic acid derivative
Appearance	yellowish, low-viscous liquid dispersion
pH-Value	8 - 9
Ionogenity	anionic

Properties

ROWAFLEX® TH 3 is a thickener for polymer dispersions. The excellent efficiency of ROWAFLEX® TH 3 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 3 gives the polymer dispersion following properties:

- reaches the final viscosity after short mixing time in high field intensity
- improves the dispersing ability of thermoplastic powders
- gives stability to the paste
- has a positive influence on the rheological behavior of the paste
- extends the storage times of the finished paste
- high viscosities can be reduced with water
- is self thickening , no adding of ammonia necessary

Application

ROWAFLEX® TH 3 is a special thickener for thermoplastic powder/aqueous dispersions that are applied on rotary printing equipment.

- 1 -

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.

Certified Quality
Management System



The required quantity of the finished product varies depending on the print template (mesh number/CP) and is between 0.2 and 0.5% in relation to the total paste quantity (evaluate a final viscosity of approx. 2.500-4.500 mPas).

Guide recipe recommendation

Copolyamide paste

Water / H2O	55 kg
ROWAFLEX® DF 2	0.2 kg
ROWAFLEX® X 570	1 kg
ROWALIT® 200-1, 0-80	30 kg
ROWAFLEX® TH 3	0.4 kg
ROWAFLEX® X 100	10 kg

Guide recipe recommendation

Copolyamide paste with plasticizer

Water / H2O	55 kg
ROWAFLEX® DF 2	0.2 kg
ROWAFLEX® X 501	3 kg
ROWALIT® 200-2, 0-80	30 kg
ROWAFLEX® TH 3	0.4 kg
ROWAFLEX® X 100	10 kg

Guide recipe recommendation

Crosslinkable paste system

Water / H2O	55 kg
ROWAFLEX® DF 2	0.2 kg
ROWAFLEX® X 600	3 kg
ROWALIT® 200-63, 0-80	30 kg
ROWAFLEX® TH 3	0.4 kg
ROWAFLEX® X 100	10 kg

- 2 -

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.

Guide recipe recommendation

Polyethylene Paste

Water / H ₂ O	55 kg
ROWAFLEX® DF 2	0.2 kg
ROWAFLEX® X 500	3 kg
ROWALIT® N 100-20, 0-80	30 kg
ROWAFLEX® TH 3	0.4 kg
ROWAFLEX® X 100	10 kg

Guide recipe recommendation

Polyurethane paste

Water / H ₂ O	55 kg
ROWAFLEX® DF 2	0.2 kg
ROWAFLEX® X 501	3 kg
ROWALIT® 500-37, 0-80	30 kg
ROWAFLEX® TH 3	0.4 kg
ROWAFLEX® X 100	10 kg

The addition of ROWAFLEX® TH 3 should be done slowly to securely reach the required viscosity.

Version: 27.09.2021

- 3 -

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.