



Low VOC polymer dispersion for mortars in need for outstanding workability properties

Whether it is workability, durability or any other key property, polymer dispersions are expected to improve the properties of mortars in many ways.

As the latest development in our XSBR range, **LIPATON™ SB 40Y45** supports the construction industry with a very low VOC polymer to formulate mortars with outstanding rheological properties. Its exceptional stability in highly concentrated cement formulations, even at 45 °C, combined with low water uptake and good mechanical behavior, makes it an obvious choice to improve your mortar performance.

And if you are also looking for a versatile product, you will be interested to know that its adhesion and open time performances exceed DIN EN 12004 standards, making it suitable for 2K CTA applications.

Applications

- Mortars
- Renders & Primers
- Industrial floors
- Self-Leveling Underlayments
- 2k Ceramic Tile Adhesives

Features

- Improved rheology and workability
- Stable under challenging conditions, like high temperatures
- Good mechanical performances
- Low water uptake
- Low VOC
- Free of ammonia and formaldehyde

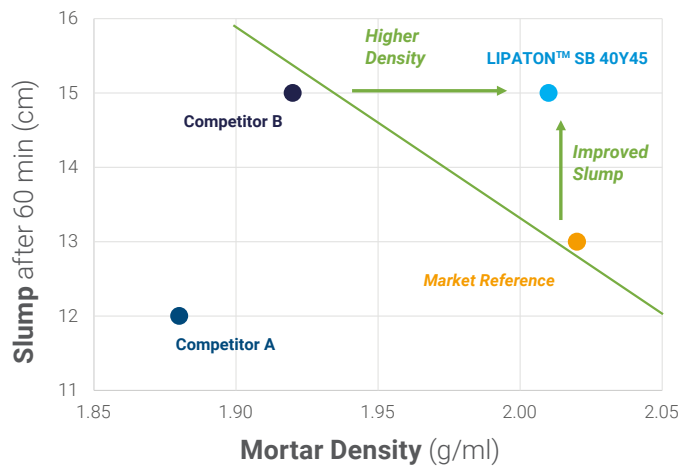


Property LIPATON™ SB 40Y45

Property	LIPATON™ SB 40Y45
Chemistry	Carboxylated Styrene Butadiene
Solid Content	47.5 %
pH value	8.5
Viscosity	< 100 mPas
Tg	9 °C

Performance comparison

Mortars Rheology



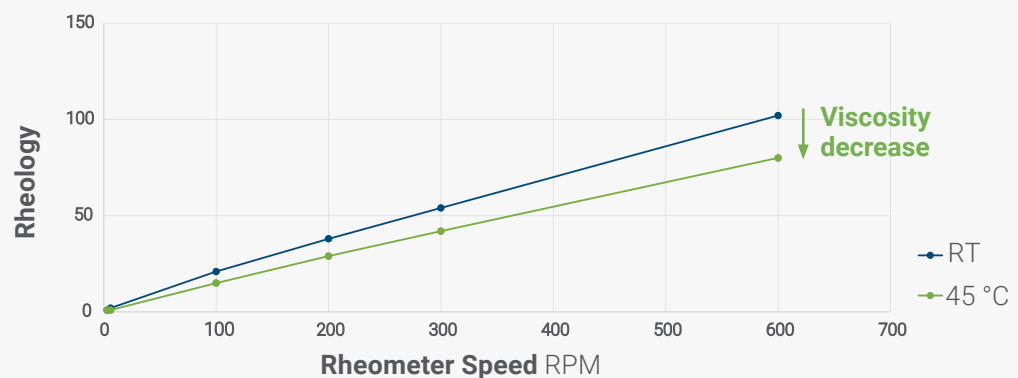
Test Results

Density vs. Slump (60 min)

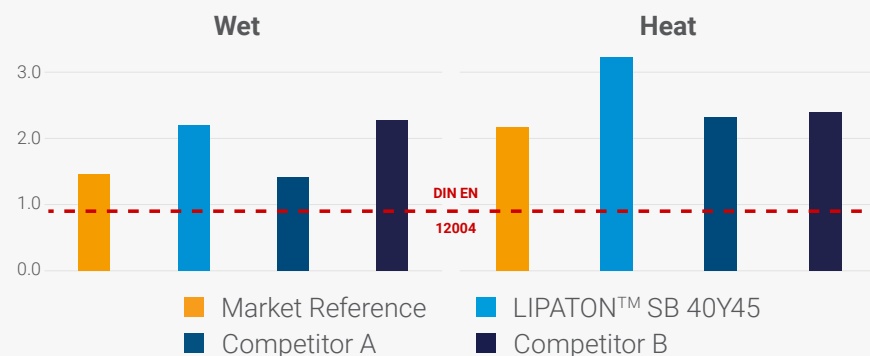
- ➡ Usually higher density gives lower slump

LIPATON™ SB 40Y45 provides both **improved slump performances** and **higher density**

Rheology under difficult conditions



Adhesion



www.synthomer.com



Group Head Office

Synthomer plc
45 Pall Mall
London SW1Y 5JG
United Kingdom
info@synthomer.com

Operational Centre Europe

Synthomer Deutschland GmbH
Werrastr. 10
45768 Marl
Germany
Phone: +49 23 65 49-2552

Operational Centre Americas

Synthomer USA LLC
25435 Harvard Road
Beachwood, OH 44122
USA
Phone: +216-682-7000

Operational Centre Asia

Synthomer Sdn Bhd
Unit 16-2, Level 16,
UOA Damansara II,
No. 6 Changkat Semantan,
Damansara Heights
50490 Kuala Lumpur
Malaysia