

Water-based, FDA compliant sizing agent that provides repellent performance

For further information regarding this product please refer to:

Johnny Martin

Tel: 1-803-377-2208 | Mobile: 1-704-473-5471  
 eMail: johnny.martin@synthomer.com

Property	Typical Value	Unit	Method <sup>1</sup>
Chemistry Type	wax emulsion		
Solids Content	35	%	EN ISO 3251
pH Value	9.0		DIN ISO 976
Ionic Character	anionic		
Color	white		intern
Viscosity (LVT #2@100rpm, 25°C)	25	mPa s	ISO 1652
Density	8.2	lb/gal	
Compatibility Other Film Former	Limited		

<sup>1</sup> internal method based upon the specified norm

## Application Advice

ROHAGIT 417 sizing agents provide excellent water holdout for textiles, nonwovens, and coated paper and paperboard.

- Provides excellent water holdout
- Highly dilutable
- Stable with all binder types, especially starches
- Excellent stability over wide temperature range

### Application Notes:

- ROHAGIT 417 sizing agent has also shown excellent alcohol resistance in various applications. This product may also be used in conjunction with fluorochemicals in applications requiring greater repellency. The hydrophobic wax portion of ROHAGIT 417 sizing agent has a melt point of approximately 140°F (60°C). While it is preferable to keep the bath temperature below 140°F (60°C), it is not necessary if the bath has continuous agitation. It is also the minimum temperature required to dry the substrate containing ROHAGIT 417 emulsion in order to obtain full effectiveness. Formulations containing ROHAGIT 417 size are stable at most pH's but perform best on the alkaline side. Care should be taken if adding the sizing agent to very acidic formulations.
- After completion of a run, clean the equipment that has been used for dilution, storage, filtering, pumping and spraying. Special care must be taken to properly clean nozzles and filter screens. Storage tanks and mixing equipment used for this product should be cleaned and sterilized at least every six months.

## Shipping and Storage

This product is supplied in road tankers or in non-returnable plastic drums or in totes (IBC). The product must be protected from frost and exposure to direct sunlight. Storage temperatures between +5 °C and +30 °C are recommended. Care must be taken that drums and containers are properly closed. During storage, shipping and handling contact with metal surfaces that are not corrosion protected must be avoided. When stored properly, the product has a shelf life of 6 months from the date of delivery. Mix the contents thoroughly before using. This product is freeze-thaw stable; however, a recommended practice is to limit the number of cold cycles.

## Product Safety

Before handling, please read the Safety Data Sheet of this product for advice on safety, use and disposal.