



# Fulcat® 400

## Clay Catalyst and Adsorbent

### Product Description

Fulcat 400 is an inorganic refined natural Montmorillonite clay catalyst and adsorbent. The natural clay structure provides Lewis and Brønsted acid sites that, together with a moderate surface area, are applicable in acid catalysed reactions where high levels of acidity are disadvantageous. Fulcat 400 is particularly suitable to the dimerisation of Tall Oil fatty acids, and its low iron content offers enhanced dimer stability. Control of clay quality and the clay refining process ensures that Fulcat 400 provides excellent and reproducible performance.

### Technical Properties (Typical values)

<u>Appearance</u>	Free flowing grey powder		
<u>Moisture Content</u>	11.0 %		
<u>Chemical Composition</u> (dry basis)			
SiO <sub>2</sub>	58.4 %		
Al <sub>2</sub> O <sub>3</sub>	20.8 %		
Fe <sub>2</sub> O <sub>3</sub>	1.7 %		
MgO	4.3 %		
CaO	2.0 %		
Na <sub>2</sub> O	0.4 %		
Loss on Ignition	8.5 %		
<u>Bulk Density</u> (fully settled)	1010 kg/m <sup>3</sup>		
<u>Particle Size</u>		<u>Porosimetry</u>	
10% less than	3 micron	Surface Area	80 m <sup>2</sup> g <sup>-1</sup>
50% less than	20 micron	Pore Volume	0.1 cm <sup>3</sup> g <sup>-1</sup>
90% less than	55 micron		
<u>pH</u> (2% suspension)	8.5		

### Packaging

Fulcat 400 is available in the following packs;  
 25kg multiwall paper sacks, shrink-wrapped on pallets  
 500kg Intermediate Bulk Containers  
 Bulk road tankers containing up to 28 tonne.

FC/400/06

Fulcat® is a registered trademark of Rockwood Specialties Inc. All information here is given in good faith but without warranty or guarantee of any kind whatsoever, whether implied or expressed. Freedom from patent rights must not be assumed. This leaflet does not form part of the conditions of sale, is of a general nature and should not be used as the basis of a specification.

Southern Clay Products, Inc., Rockwood Additives Limited and Rockwood Clay Additives GmbH are wholly owned subsidiaries of Rockwood Specialties Group, Inc.

**Rockwood Additives Limited**

Moorfield Road Widnes

Cheshire UK WA8 3AA

Tel: +44 (0)151 495 2222 Fax: +44 (0)151 420 4401

**Rockwood Clay Additives GmbH**

Stadtwaldstr. 44

85368 Moosburg, Germany

Tel: +49 (0) 8761 72 150-0 Fax: +49 (0) 8761 72 150-334

**Rockwood Specialties (Singapore) Pte. Limited**

171 Chin Swee Road

Unit No: #10-08 San Centre Singapore 169877

Tel: +65 6532 0676 Fax: +65 6532 0502