

Revised November 2009

## AccoSorb<sup>®</sup> WA

<b>General Description</b>	AccoSorb <sup>®</sup> WA is a selectively mined sodium montmorillonite which has been finely milled and is supplied as a free-flowing powder.		
<b>Functional Use</b>	This montmorillonite is specifically mined and modified for use as a pitch control agent to partially or wholly replace organic and inorganic pitch control agents. The specific surface area and chemical nature of the product makes it particularly suitable for passivation and adsorption of stickies and pitch particles in the stock approach system of a paper machine.		
<b>Purity</b>	Principally composed of the clay mineral montmorillonite. Contains minor amounts of crystalline silica, plagioclase, calcite, and gypsum		
<b>Solubility</b>	Dispersible but insoluble in water or alcohol. One gram of montmorillonite produces a surface area greater than 750 sq. metres when fully dispersed.		
<b>Moisture</b>	7 - 14% as shipped	<b>Texture</b>	Soft, slippery
<b>Odour:</b>	None	<b>Taste</b>	None
<b>CEC</b>	Typically 100 meq/100g	<b>pH</b>	8.5-10.5 @ 5%solids
<b>ISO TAPPI Brightness</b>	Typically 55		
<b>Wet Particle Size</b>	Minimum 99.0% finer than 300 mesh (53 microns)		
<b>Dry Particle Size</b>	Minimum 90.0% finer than 200 mesh (75 micron)		
<b>Chemical Formula</b>	Montmorillonite, a dioctahedral smectite (expanding phyllosilicate), having an ideal composition:  (Na,Ca) <sub>0.33</sub> (Al <sub>1.67</sub> Mg <sub>0.33</sub> )Si <sub>4</sub> O <sub>10</sub> (OH) <sub>2</sub> .nH <sub>2</sub> O.)		
<b>Elemental Analysis</b>	Typical analysis – moisture free.		
	SiO <sub>2</sub> 66.75 %`	Na <sub>2</sub> O 1.86 %	
	Al <sub>2</sub> O <sub>3</sub> 21.69 %	CaO 1.34 %	
	Fe <sub>2</sub> O <sub>3</sub> 3.97 %	K <sub>2</sub> O 0.45 %	
	MgO 2.98 %		
	All metals are expressed as oxides, which are complexed in the mineral		
<b>Packaging</b>	Available in 1 metric tonne big-bags or bulk.		

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