

Calidria ASBESTOS

UNION CARBIDE CORPORATION • MINING & METALS DIVISION • P.O. BOX 579 • NIAGARA FALLS, N.Y. 14302 • TEL: 716-285-3311

EXHIBIT

8
4/1/02 ✓

CALIDRIA ASBESTOS FOR PAPER COATINGS

Introduction

Calidria High Purity Asbestos is a highly refined form of chrysotile asbestos with extremely fine, short fibers. Because of its fibrous nature and water holding properties, Calidria Asbestos is an effective pigment for increasing the bulk of paper coatings and improving the flow characteristics of coating colors. Lower density coatings exhibit better porosity with Calidria High Purity Asbestos. In small amounts, Calidria High Purity increases the thixotropy of starch coating formulations for improved rheological characteristics on roll coaters.

Calidria High Purity is effective at low levels of addition, and 5% in a clay pigment is sufficient to display the advantages without excessive viscosity effects.

Calidria Asbestos is recommended for the following paper coating uses:

- 1) To increase the opacity and porosity of web offset publication grades.
- 2) To upgrade the brightness and opacity of low brightness rawstocks such as unbleached kraft papers, linerboard, and cylinderboard.
- 3) As an extender for TiO_2 in coating formulations.
- 4) As a thickener for control of rheology in starch roll coater formulations.
- 5) Reduced ink mottle and better smoothness are often achieved with Calidria High Purity Asbestos.

Calidria Asbestos is available in two forms for paper coating applications. High Purity Pellets (HPP) were used in the formulations contained herein and are recommended for several reasons: essentially dust-free, more amenable to automatic handling and metering, less expensive to store and use. High Purity Open (HPO) is the open fiber form of Calidria High Purity Asbestos. It is easier to disperse than the pelletized form. Following are typical physical properties for HPP and HPO:

A07601

