

A Shift from Neutral Sizing to ASA Sizing: Case Study at Ballarpur Industries Ltd; Unit-Sewa

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ABSTRACT

Alkaline sizing technology (AKD / ASA) goes back to early sixties. The driving force behind it was to use Ground Calcium Carbonate (GCC) as filler for cost effectiveness in European Countries. Slowly paper Industries started shifting to AKD or ASA sizing to use GCC. In 1970's & 80's most of the European Paper Mills embraced Alkaline Papermaking.

Though cost was the driving force, much more side benefits were observed like sheet permanence, enhanced brightness, increased opacity and sheet strength.

In India Calcium Carbonate is a costly pigment and Talc is still prevailing as the cheapest and mostly used pigment as filler. Due to quality competencies and globalization of market, Indian Paper Industries started converting to Alkaline Sizing in 21st Century. Increased cost and non-availability of rosin size added interest in shifting to AKD / ASA.

Ballarpur Industries Ltd, Unit: Sewa shifted from neutral sizing to ASA sizing in January-2008 and running successfully in PM#2. This presentation elaborates the path followed by the team to achieve it.