



Sasobit



Sasobit®

Sasobit® is excellent for high temperature stiffness in both pavement and roofing applications. Also, **Sasobit®** makes it possible to upgrade softer grades of asphalt to harder grades whilst at the same time working to overcome deformation and "bleeding" at high performance temperatures. **Sasobit®** dissolves within minutes in asphalt at temperatures above 248° F (120° C) and will not separate out on storage. The dramatic reduction in viscosity at working temperatures makes the asphalt easier to process, provides the option of reducing working/ mixing temperatures and thereby reducing fume emissions, saving energy and reducing production cycle times.

A more recent successful application of **Sasobit®** (updated June 10, 2002) is as a milling aid and anti- block agent in the milling of "sticky" polymers such as SBR, SB, etc. for use as asphalt modifiers. Such polymers are difficult to mill, store and transport because of the problems of re- agglomeration. It was found that when **Sasobit®** is melted at 115°C or higher (but below flash point of 290°C) and sprayed over the freshly shredded polymer and cooled (eg. over a cooling belt or just by ambient mixing) the polymer becomes friable and hard enough to be milled without difficulty and the milled particles stay separate as a free flowing powder. This new application opens the prospects of new formulations and applications of **Sasobit®** in asphalt modification since the problems of processibility, formulation and transportation without blocking are all solved.

Another anti- blocking technique is the use of finely powdered **Sasobit®** directly at the polymer vale shredding/ milling stage as an agent to keep the granules apart and free flowing during packaging, storage, transportation and final use.

A new process has been developed for the co- extrusion of polymers with **Sasobit®** to improve polymer dispersion into asphalt and provide anti- block properties during packaging and transportation.