

TECHNICAL DATA SHEET

PRODUCT NAME

Prebona[®] Siccol[™]

DESCRIPTION

Prebona Siccol is a colloidal dispersion of spherical silica particles in slightly alkaline water. The surface of the particles has been modified to enhance mechanical strength of the silica structure when water evaporates, e.g. when Prebona Siccol has been applied to a glass surface to improve soil repellency or to prevent formation of condensation droplets on technical glass surfaces such as photovoltaic modules, greenhouses, street signs etc. The dispersion of silica particles has been stabilized by addition of a small amount of alkali, which provides the surface with a permanent negative charge. A small amount of wetting agent has been added to reduce surface tension and improve wetting properties.

PROPERTIES

Visual appearance	Clear, slightly dark liquid
Dry content	0.5 wt%
pH	7.0 – 11.0
Density	1.0 g/cc
Viscosity	<50 mPa·s (as water)
Particle size	5 nm

STORAGE, HANDLING AND PACKAGING

Prebona Siccol is sensitive to freezing and light and should be stored in a dark closed container made of non-corrosive material such as plastic. Aluminum, copper and untreated steel should be avoided. Storage temperature should be 5-35°C. Shelf life is at least 12 months from production under recommended storage conditions. Prebona Siccol may discolor surfaces and a test should always be carried out on an invisible surface to determine level of discoloration before the whole surface is treated. Prebona Siccol is shipped in 25 liter plastic containers.

SAFETY, HEALTH AND ENVIRONMENT

Before using Prebona Siccol, material safety data sheet (MSDS) should be read carefully.