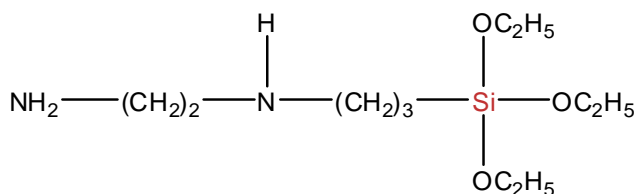


SiSiB[®] PC1210

N-beta-(aminoethyl)-gamma-aminopropyl-triethoxysilane

CHEMICAL STRUCTURE



INTRODUCTION

SiSiB[®] PC1210 is a bifunctional silane with reactive amino groups and hydrolyzable inorganic ethoxysilyl groups. Due to the nature of its amino group, this substance reacts as a strong base. The silane hydrolyzes autocatalytically in the presence of moisture (ethanol is released) to form silanols, which can then react with themselves to produce siloxanes or can bind to inorganic substrates. As a bifunctional organosilane, it can bind to both inorganic materials and organic polymers to function as a molecular bridge between organic and inorganic substrates.

SiSiB[®] PC1210 (equal to KBE603) is a clear, colorless, strongly alkaline liquid.

TYPICAL PHYSICAL PROPERTIES

CAS No.	5089-72-5
EINECS No.	225-806-1
Formula	C ₁₁ H ₂₈ N ₂ O ₃ Si
Molecular Weight	264.44
Boiling Point	135°C [5mmHg]
Flash Point	123°C
Color and Appearance	Colorless clear liquid
Density _{25/25°C}	0.970
Refractive Index	1.438 [25°C]
Min Purity	98%

APPLICATIONS

SiSiB[®] PC1210 is mainly used for coupling organ-polymers and inorganic fillers, combining both of them as a body and improving the characters of mechanic, electric,

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SiSiB[®] PC1210

N-beta-(aminoethyl)-gamma-aminopropyl-triethoxysilane

water resistance and antiaging of these composites.

PACKING AND STORAGE

SiSiB[®] PC1210 is supplied in 190Kg steel drum or 950Kg IBC container.

In the unopened original container SiSiB[®] PC1210 has a shelf life of one year in a dry and cool place.

NOTES

All information in the leaflet is based on our present knowledge and experience. We reserve the right to make any changes according to technological progress or further developments. Performance of the product described herein should be verified by testing.

We specifically disclaim any other express or implied warranty of fitness for a particular purpose or merchantability. We disclaim liability for any incidental or consequential damages.

Please send all technical questions concerning quality and product safety to: silanes@SiSiB.com.