

ADDSiL™ 4007 Silane Adhesion Promoter

INTRODUCTION

ADDSiL™ 4007 is an amino-functional organosilicon adhesion promoter designed to improve interfacial bonding between inorganic substrates or fillers and organic polymer systems.

It is particularly effective on glass, metals, ceramics and mineral surfaces. ADDSiL™ 4007 can also be used for inorganic surface treatment and may contribute to improved adhesion and mechanical performance of the cured system.

FEATURES & BENEFITS

- Excellent adhesion promotion on glass and metal substrates
- Effective surface treatment of mineral fillers
- Improves interfacial bonding between inorganic and organic phases
- May enhance the mechanical properties of cured systems
- Suitable for a variety of resin systems

PHYSICAL PROPERTIES

Appearance	Clear liquid
Color	Light yellow
Active Content	100%

These values are typical and are not intended for use as specifications.

APPLICATIONS

ADDSiL™ 4007 is recommended as an adhesion promoter and inorganic surface-treatment additive for polyurethane, epoxy and alkyd systems. It is particularly effective in improving adhesion to glass and metal substrates and can also be used for the treatment of mineral fillers such as silica, talc, mica, clay and wollastonite. By improving interfacial bonding, ADDSiL™ 4007 may also contribute to improved mechanical performance of the cured system.

USAGE GUIDELINES

ADDSiL™ 4007 is typically added directly to coating formulations as an adhesion promoter. The recommended dosage is generally 0.1–1.0%, based on the total formulation.

The optimum dosage and addition point depend on the resin system, formulation composition and processing conditions and should be determined by formulation testing.

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PACKING

ADDSiL™ 4007 is available in 25Kg pails.

HANDLING

This document does not contain the product safety information required for safe use. Before handling, please refer to the product and safety data sheets, as well as container labels, for information on safe usage, physical hazards, and health risks. Safety Data Sheet is available on the website, from the distributor, or by contacting SiSiB customer service.

STORAGE

Keep the container tightly closed and store in a cool, dry and well-ventilated place. ADDSiL™ 4007 has a shelf life of 12 months from the date of manufacture in the original unopened packaging.

NOTE

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.

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