

ADDSiL™ 1390 Slip & Mar Resistance Additive

INTRODUCTION

ADDSiL™ 1390 is a water-dispersible, high molecular weight polydimethylsiloxane dispersion supplied at approximately 80% solids. It is designed to impart slip, reduce coefficient of friction, improve mar and abrasion resistance, and provide anti-blocking performance in waterborne coating and ink systems. The product also contributes to leveling, wetting, and gloss enhancement while maintaining good recoatability.

FEATURES & BENEFITS

- Imparts excellent slip and surface lubricity
- Reduces coefficient of friction
- Improves mar and scratch resistance
- Provides anti-blocking performance
- Good compatibility in waterborne systems
- Maintains film transparency
- Can be added at any stage of production

PHYSICAL PROPERTIES

| | |
|----------------------|-------------------------------------|
| Color and Appearance | White to off-white paste dispersion |
| Content | 80% |
| Solvent | Water |

These values are typical and not intended for specification purposes.

APPLICATIONS

ADDSiL™ 1390 is suitable for use in:

- Water-based flexographic inks
- Water-based gravure and lithographic inks
- Water-based overprint varnishes
- Water-based industrial coatings
- Waterborne paints

It is particularly effective where reduced friction, improved mar resistance, and required.

RECOMMENDED DOSAGE

ADDSiL™ 1390 is effective at low addition levels. Typical usage levels range from 0.05% to 3.0% based on total formulation weight, depending on system type and performance requirements. In most waterborne coating and ink systems, recommended dosage is 0.1-1.0%. The additive may be incorporated during the grind stage, let-down stage, or post-added.

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The above recommended levels can be used for orientation. Optimal levels are determined through a series of laboratory tests.

PACKING

ADDSiL™ 1390 is supplied in 25Kg pail.

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

In the original unopened packaging, ADDSiL™ 1390 has a shelf life of 24 months.

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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