



PRODUCT DESCRIPTION

Si tone silk is a premium quality silk-glossy water-based emulsion paint made of acrylic copolymer with excellent additives to provide superior washability, coverage, and durability. Available in white and a wide range of colors to give an outstanding silk sheen finish.

PRODUCT CHARACTERISTICS

- Excellent resistance to water and alkalis.
- Superior gloss retention.
- High durability and long-term endurance.
- High resistance to stains.
- Easy application.
- High adhesion power.

(Complies with the Egyptian Standard Specification No. 1539)

RECOMMENDED USE

Suits indoor applications.

TYPE OF SURFACE

Concrete, Cementitious, and Gypsum surfaces, etc. whether new or previously painted.

TECHNICAL SPECIFICATION

Final Appearance	→	Silk-Glossy
Viscosity	→	105 ± 5 Kreps (at 25°C temperature and 50% humidity)
	→	for white color, according to (ASTM D562-10 (2018))
Density	→	1.35 ± 0.05 gm/cm ³ (at 25°C temperature and 50% humidity)
	→	for white color, according to (ASTM D1475-13 (2020))
% Solids by Volume	→	39 ± 2 (for white color)
Washing Resistance	→	More than 12000 washing cycles, in accordance with the
	→	Egyptian Standard Specification No. 1539
Flash Point	→	Non flammable
Volatile Organic Compounds	→	25 gm/liter (according to Environmental Protection Agency
	→	– Method 24)

METHOD OF APPLICATION

Diluent	→	Water
% Dilution (by volume)	→	(10 – 15%)
Application Tools	→	Roller, brush, sprayer

INSTRUCTIONS FOR THE USE OF AIRLESS SPRAYER

Pressure at nozzle	→	140 – 190 Kg/cm ² (2100 psi)
Nozzle head	→	0.021 – 0.027
Spray angle	→	65° - 80°
Filter	→	Should be clean

FILM THICKNESS AND SPREADING RATE

	Min. Thickness	Max. Thickness	Average
Dry Film Thickness in Micron	30	40	35
Wet Film Thickness in Micron	76.92	102.56	89.74
Theoretical Spreading Rate (m ² /liter)	10 - 13		11.5



SI TONE SILK

DRYING TIME

Generally, drying time depends on air draft, temperature, film thickness, selected colors, and number of coats. Data in schedule is measured at 25°C temperature and 50% humidity:

Surface Drying for white color	30 minutes (minimum)
Re-coating for white color	8 hours (minimum)

RECOMMENDED COATING SYSTEM

All surfaces (new and old) should be clean and free from dust, oil, fat, ..etc.

FOR NEW SURFACES

- 1 Coat Latex Sealer 1800
- 2 – 3 Coats Latex Putty.
- 1 Coat Top Tone / Hi Tone 2700 / Si Tone 700
- 2 Coats Si Tone Silk.

FOR PAINTED OLD SURFACES

Remove loose layers completely, then clean the surface with water and detergent. Make sure that the surface is fully dry and soft then apply:

- 1 Coat Top Tone / Hi Tone 2700 / Si Tone 700
- 2 Coats Si Tone Silk.

CONDITIONS OF APPLICATION

Temperature of surface to be painted should not be lower than 10°C and 3°C above dew point. Appropriate air temperature and humidity should be observed.

GENERAL NOTES

1. Actual spreading rate depends on many factors like surface condition, effectiveness of application tool, film thickness, surface porosity, surface defects, temperature, quantity lost during application .. etc.
2. Maximum spreading rate for one coat may be realized by minimizing the dry film thickness, and vice versa.
3. Paint should be mixed before use if it is made of different batches.
4. Spreading rate for colors developed in coloring machines depends on selected colors.

STORAGE

Two years from production date, provided that proper storage conditions are observed. The product should be stored in compliance with storage instructions. The product should be stored in a cool well-ventilated environment, away from direct sun and heat. The container should be sealed tightly after use.

HEALTH AND SAFETY

Please read the protection instructions indicated on the container. Use in well-ventilated environment. Do not breathe or inhale mist. Avoid skin contact. Spillage on skin should be removed immediately with suitable cleanser and water. In case of contact with eyes, flush eye properly with abundant water and seek medical attention immediately. Keep away from the reach of children.

CLARIFICATION

The information in this Technical Specification is given to the best of our knowledge. It is based on laboratory tests and practical experience. Sipes takes no responsibility for consequences of breaching the instructions. The Company reserves the right to change data herein without notice.

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