SILRES® IC 701

Moisture Curing Silicone Rubber (RTV-1)

SILRES® IC 701 is an anti-graffiti coating intended for use in the professional market for the protection of concrete, masonry and metal substrates. The cured coating provides excellent release and ease of removal of permanent markers and aerosol paints. SILRES® IC 701 is based on polysiloxane polymers and provides excellent performance against exterior elements such as rain, sun and temperature extremes. It cures via condensation reaction at room temperature by reacting with ambient moisture.

Typical property values are not intended for use in the preparation of specifications. Please contact Wacker Silicones for assistance and recommendations before writing specifications on this product.

Technical data

General Characteristics

Property	Condition	Value	Method
Density	23.0 °C	-	-
Viscosity, dynamic	25.0 °C	2500.0 cP	-
Appearance	-	Clear to hazy liquid	ASTM D 412
Active content	-	75.0 %	-
Flash point	-	-	-
Non volatile	-	75.0 %	-
VOC	-	< 250.0 g/l	-

These figures are only intended as a guide and should not be used in preparing specifications.

Applications

- Architectural Coatings

Application details

Surface Preparation
Apply SILRES® IC 701 to a clean dry surface. Surface may be cleaned by scrubbing or power washing with a common non-film building solvent or cleaner.

SILRES® IC 701 can be thinned to the desired application viscosity. Aliphatic, aromatic and chlorinated solvents are the preferred choice. Other solvents may be used however all combinations must be tested to ensure clarity of the coating, solvency and stability. Weak solvent combinations can lead to a loss of cure, clarity or even precipitation of the coating's solids. For this reason methyl acetate is not recommended. With proper protective equipment SILRES® IC 701 may be applied via industrial spray application methods such as airless and conventional spray. See SDS for proper protective equipment. After use, the spray equipment and lines must immediately be flushed with solvents to prevent the coating from curing and forming a tough adherent cured film. to humidity in the air. Curing occurs at the surface and progresses to the substrate based on the available ambient moisture. Complete drying for heavier film builds may require up to 24 hours. Fully cured film property development requires up to 7 days. Typical cured films can range from 6.0 mils [152 microns] dry film thickness to over 20 mils [500 microns]. Containers, once opened, should be used until empty. Any remaining coating, exposed to air will continue to cure and thicken resulting in surface skinning and increased viscosity.

WARNING: SILRES® IC 701 is intended for the exclusive use in industrial and commercial applications where personal protective equipment is required and mandatory. SILRES® IC 701 is not suitable for nor recommended for aerosol based applications in the DIY (do-it-yourself) markets. Use of SILRES® IC 701 in this manner disperses free aerosol vapor droplets in the air. Breathing these free droplets in the air poses extremely serious health risks and raises the possibility of harmful consequences to any individual associated with such improper use and handling of SILRES® IC 701.

Packaging and storage

Storage

The "Best use before end date" of each batch is shown on the Certificate of Analysis. Storage beyond the date specified on the Certificate of Analysis does not necessarily mean that the product is no longer usable. In this case however, the properties required for the intended use must be checked for quality assurance reasons. SILRES® IC 701 should be stored below 32°C in the tightly closed original container.

Safety notes

For specific information regarding safe handling of this material, please refer to the Safety Data Sheet. SILRES® IC 701 is not intended for aerosol applications in the do-it-yourself (DIY) market.

QR Code SILRES® IC 701

For technical, quality or product safety questions, please contact:

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