

Product Information

Coatings

DOW CORNING

DOW CORNING® 85

Additive

FEATURES

- Imparts good tensile strength to inks
- Imparts good elongation to inks
- Inks have improved coefficient of friction
- Imparts good weathering properties to inks
- Inks have improved gloss and mar resistance
- Protective, water-resistant fabric coating
- Dries to an elastomeric film

Silicone additive for aqueous inks

APPLICATIONS

- Used as an additive for water based and dilutable inks provide water and mild chemical resistance.
- It may be used as a protective and water-resistant coating for a variety of woven and non-woven textiles and fabrics.

TYPICAL PROPERTIES

Specification writers: These values are not intended for use in preparing specifications. Please contact your local Dow Corning sales representative prior to writing specifications on this product.

CTM*	Parameter	Unit	Value
0176	Appearance		Opaque liquid
	Non-volatile content	%w/w	60
0021A	Flash point, closed cup	°C	>100
		°F	>212
0001A	Specific gravity at 25°C (77°F) /15.6°C (60.08°F)		1.10
0004	Viscosity at 25°C (77°F)	mPa.s	40,000
0007	pH		11

* CTM: Corporate Test Method, copies of CTMs are available on request.

HOW TO USE

DOW CORNING 85 Additive must be stirred well before using. A layer separation may occur in shipping which has no detrimental effect on the performance of the material. Drum rolling is required to remix the emulsion. If DOW CORNING 85 Additive is used over a long period of time, it should be remixed before each use. DOW CORNING 85 Additive is cured by simple evaporation of water at room temperature. The evaporation of water may be accelerated by elevating the temperature.

Formulating for lower costs

If DOW CORNING 85 Additive is too concentrated as supplied, dilution may be made with water. In addition, extending fillers can be added.

Rheology modification

DOW CORNING 85 Additive is supplied prethickened. Methocel, Rheolate and Gelwhite thickeners have been found to be compatible.

Formulated coloured coatings

This material can be pigmented with water based colorants. Universal colours UCD "a" line and Harshaw Auraspere colors have been found to be compatible with DOW CORNING 85 Additive.

HANDLING PRECAUTIONS

In case of skin or eye contact, flush area thoroughly with large amounts of water. In case of eye contact seek medical attention.

PRODUCT SAFETY
INFORMATION REQUIRED FOR

SAFE USE IS NOT INCLUDED. BEFORE HANDLING, READ PRODUCT AND SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION. THE SAFETY DATA SHEET IS AVAILABLE FROM YOUR LOCAL DOW CORNING SALES REPRESENTATIVE.

USABLE LIFE AND STORAGE

Usable life will be impacted when the products are stored below 7°C (44.6°F) and above 32°C (89.6°F).

When stored at or below 25°C (77°F) in the original unopened containers, this product has a usable life of 24 months from the date of production.

PACKAGING

This product is available in 18kg and 214kg containers.

LIMITATIONS

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

HEALTH AND ENVIRONMENTAL INFORMATION

To support customers in their product safety needs, Dow Corning has an extensive Product Stewardship organization and a team of Health, Environment and Regulatory Affairs specialists available in each area.

For further information, please consult your local Dow Corning representative.

WARRANTY INFORMATION - PLEASE READ CAREFULLY

The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that Dow Corning's products are safe, effective, and fully

satisfactory for the intended end use. Dow Corning's sole warranty is that the product will meet the Dow Corning sales specifications in effect at the time of shipment. Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted. Dow Corning specifically disclaims any other express or implied warranty of fitness for a particular purpose or merchantability. Unless Dow Corning provides you with a specific, duly signed endorsement of fitness for use, Dow Corning disclaims liability for any incidental or consequential damages. Suggestions of use shall not be taken as inducements to infringe any patent.