

SOLYX® iQ Clear SUPER CLEAR SR Polyester

Features:

- * 4 mil optically clear polyester with a scratch resistant (SR) top coating
- * Ultra super clarity
- * Designed for printability and excellent adhesion with UV curable inks.
- * Super clear, permanent acrylic adhesive.
- * Cleanly removable without much effort when needed.

Face Film:	4.0 mil gloss clear polyester
Adhesive:	Solvent Acrylic pressure sensitive permanent/removable
Liner:	2 mil polyester
Durability:	7 Years outdoor, 15 year indoor
Application Surfaces:	Flat glass, simple curves
Widths:	60" and 72"

Shelf-Life:	2 years
Durability:	Vertical Exterior Exposure Up to 7 years
Min. Application Temperature:	30° F (-1° C)
Service Temperature:	-40° - 180°F (-40° - 82° C)
(Reasonable range of temperatures which would be expected under normal environmental conditions)	
Chemical resistance:	Resistant to most mild acids, alkalis, and salt solutions.

Physical Characteristics

Caliper, face:	4.0 mil
Caliper, adhesive:	1.0mil (25 µm)
Dimensional stability:	<0.015"(0.38 mm)
Removability:	5 year
Flammability:	Self Extinguishing

Dimensional stability:

Is measured on a 6" x 6" (150 x 150 mm) aluminum panel to which a specimen has been applied; 72 hours after application the panel is scored in a cross pattern, exposed for 48 hours to 150°F (65°C), after which the shrinkage is measured.

Adhesion:

(FTM-1, FINAT) is measured by peeling a specimen at a 180° angle from a stainless steel panel, 24 hours after the specimen has been applied under standardized conditions. Initial adhesion is measured 15 minutes after application of the specimen.

Flammability:

A specimen applied to aluminum is subjected to the flame of a gas burner for 15 seconds. The film should stop burning within 15 seconds after removal from the flame.

Temperature range:

A specimen applied to stainless steel is exposed at high and low temperatures and brought back to room temperature. 1 hour after exposure the specimen is examined for any deterioration. Note: Prolonged exposure to high and low temperatures in the presence of chemicals such as solvents, acids, dyes, etc. may eventually cause deterioration.

Chemical Resistance:

All chemical tests are conducted with test panels to which a specimen has been applied. 72 hours after application the panels are immersed in the test fluid for the given test period. 1 hour after removing the panel from the fluid, the specimen is examined for any deterioration.

MATERIAL SAFETY DATA

INGREDIENTS:

	C.A.S. no.	Percent
1 - 14 mil (PET) Polyethylene terephthalate polyester film constructed with acrylic PSA or polyester based dry adhesive, with or without polyester/polyurethane laminating adhesive and acrylate scratch resistant coating.	Unknown	100

PHYSICAL DATA:

Appearance:	Film, transparent, tinted or reflective	
Boiling point:	N/A	
Vapor pressure:	N/A	
Vapor density:	N/A	
Evaporation rate:	N/A	
Solubility in water:	N/A	
Specific gravity:	N/D	
Percent volatiles:	N/A	
Volatile organics:	N/A	
VOC less H ₂ O & exempt solvent:	N/ApH:	N/A
Viscosity:	N/A	
Melting point:	N/A	

FIRE AND EXPLOSION HAZARD DATA:

Flash Point:	N/A	
Flammable limitsUEL:	N/A	
Flammable limitsLEL:	N/A	
Auto ignition temperature:	N/A	
Extinguishing media:	Water spray, dry chemical, foam.	

Special fire fighting procedures: Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus, bunker coat and pants, bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head.

Unusual fire and explosion hazards: none-known

NFPA-HAZARD-CODES: HEALTH 1 FIRE 0 REACTIVITY 0

Unusual reaction hazard: none

REACTIVITY DATA:

Stability:	Stable
Incompatibility - materials to avoid:	None known Hazardous polymerization:
	Will not occur
Hazardous decomposition products:	Carbon monoxide and carbon dioxide

ENVIRONMENTAL INFORMATION:

Spill response: N/A

Recommended disposal: Dispose of waste product in a sanitary landfill. Disposal alternative:
Incinerate in an industrial or commercial facility.

Environmental data: N/D

Regulatory information: Since regulations vary, consult applicable regulations or authorities
before disposal.

U.S. EPA Hazardous waste number = none (not U.S. EPA hazardous)

EPCRA HAZARD CLASS: FIRE HAZARD: No PRESSURE: No
REACTIVITY: No ACUTE: No CHRONIC:
No

SUGGESTED FIRST AID:

Eye contact: N/A

Skin contact: No need for first aid is anticipated in the event of skin contact.

Inhalation: No need for first aid is anticipated.

If swallowed: N/A

PRECAUTIONARY INFORMATION

Eye protection: N/A

Skin protection: N/A

Ventilation protection: N/A

Respiratory protection: N/A Prevention of
accidental ingestion: N/A Recommended storage: N/A Fire and
explosion avoidance: N/A

EXPOSURE LIMITS:

Ingredients	Value	Unit	Type	Auth	Skin*
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1 - 14 mil (PET) Polyethylene terephthalate polyester film constructed with acrylic pressure sensitive or polyester based dry adhesive with or without polyester/polyurethane laminating adhesive and acrylate scratch resistant coating.	None	None	None	None	None
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*Skin notation: listed substances indicated with "y" under SKIN refer to the potential contribution to the overall exposure by the cutaneous route including mucous membrane and eye, either by airborne or, more particularly, by direct contact with the substance. Vehicles can alter skin absorption.

SOURCE OF EXPOSURE LIMIT DATA: None, (None Established)

HEALTH HAZARD DATA:

Eye contact:	Eye contact is not expected to occur during normal use of the product.
Skin contact:	No adverse health effects are expected from skin contact.
Inhalation:	No adverse health effects are expected from inhalation exposure.
If swallowed:	Ingestion is not a likely route of exposure to this product.