

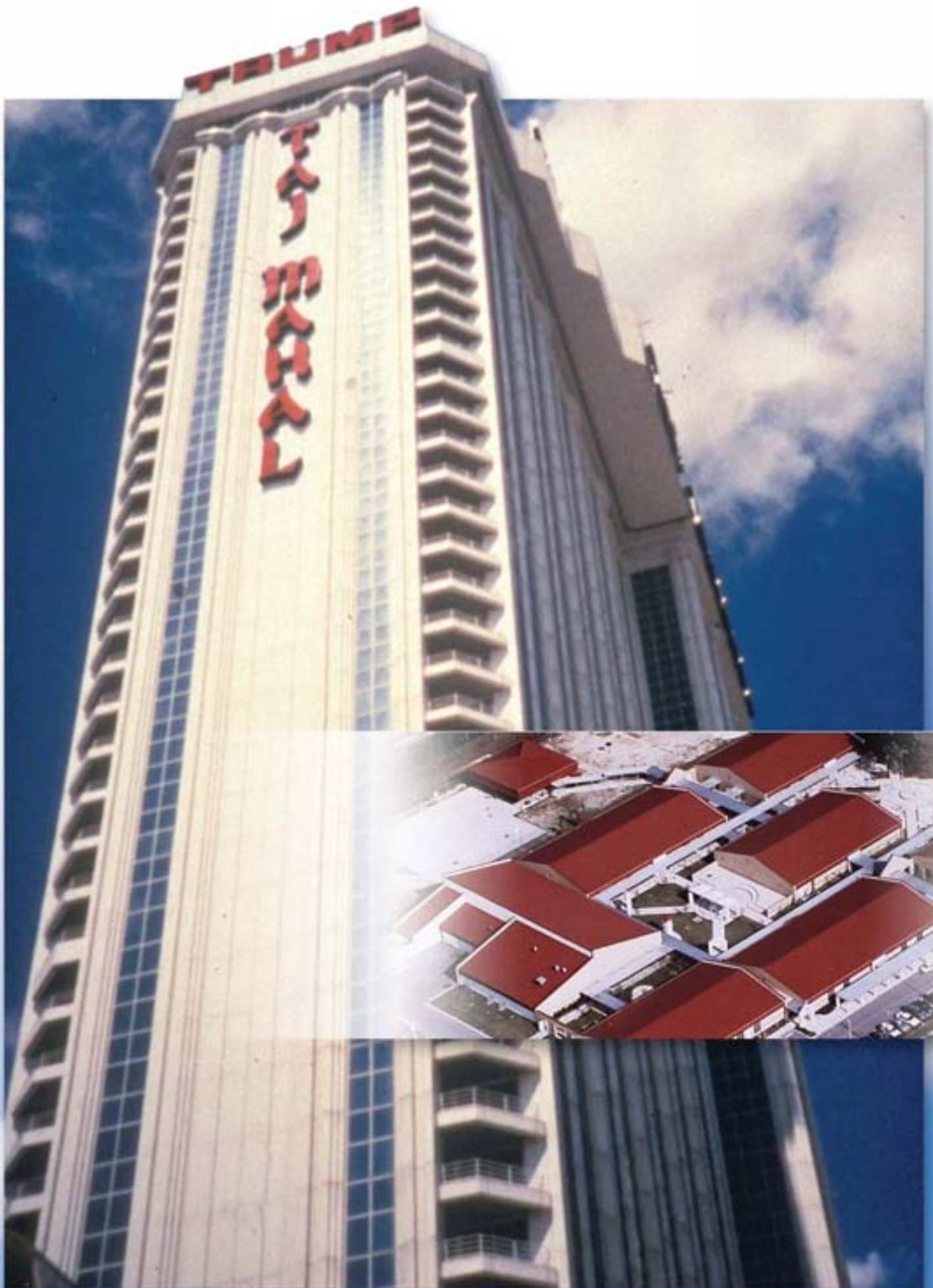
Here Today Here Tomorrow



HYLAR 5000[®] PVDF
Resins for Architectural Coatings

Solvay
Solexis





HYLAR 5000®

The Ultimate in Coating Performance

A building investment—whether you build it, maintain it, or own it—represents a significant asset. You can protect this asset and add years of service to its life by choosing 70% HYLAR 5000 PVDF architectural coatings. Made from the most UV-resistant fluoropolymer resins, PVDF coatings have successfully outperformed all other metal coatings for over 35 years, while closely maintaining their original color and beauty.

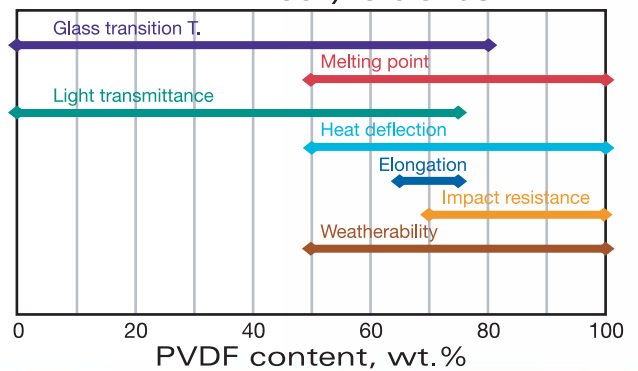
Superior performance coatings formulated with 70% HYLAR 5000 PVDF resin provide long-life protection against the harsh effects of UV radiation, chemical and airborne pollution, severe weather, and environmental conditions such as salt spray or wind-borne sand.



HYLAR 5000®



Why 70% PVDF Coatings
in PVDF -acrylic blends





Metal in today's architectural designs is used in diverse applications for the fabrication of structural and accent components.

70% HYLAR 5000 factory-applied coatings provide the ultimate protection for:

- Composite panels
- Curtains walls
- Extrusions
- Louvers
- Roofs
- Facades
- Column covers
- Decorative components

These coatings ensure a long-lasting, rich, colorful, durable finish and gloss with relatively no visible signs of aging despite years of relentless sun, temperature extremes, and harsh environmental conditions.





Why is PVDF ideal for architectural coatings?

The basis of PVDF stability lies in the carbon-fluorine bond common to all fluoropolymer materials. With a combination of carbon-fluorine bonds (providing stability) and carbon-hydrogen bonds, a unique structure with balanced properties is created that makes PVDF particularly suitable as a base for liquid coatings. PVDF is inherently inert and has the ability to withstand long-term UV and gamma radiation resulting in excellent color and gloss retention without chalking. PVDF also resists acids, alkalis and oils. 70% HYLAR 5000 PVDF coatings are also resistant to dirt pickup; however, an annual maintenance program is recommended.

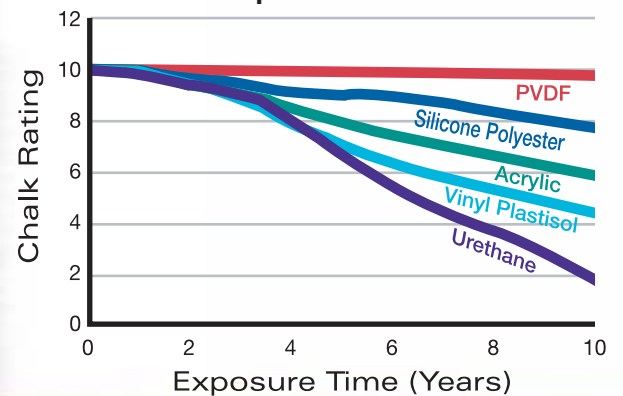
HYLAR 5000 PVDF is used as a base resin for long-life coating systems. Whether coil coated or sprayed, it is readily applied to metal substrates such as aluminum, aluminized steel, galvanized steel, and Galvalume®.

HYLAR 5000 PVDF Cost Performance — Value that pays off

Beautiful structures benefiting from the protection of HYLAR 5000 PVDF coatings can be found throughout the world, from North America to Europe, Asia to the Mid-East. A wide range of buildings including monumental, commercial, industrial, residential, and institutional have all enjoyed a service life well beyond expectation. HYLAR 5000 PVDF coatings have protected them from environmental attack and aging. HYLAR 5000 PVDF coatings can be formulated into a rainbow of colors and finishes to glorify the palette of every architectural designer.



Chalk Rating - 70% HYLAR 5000
Florida Exposure 45° South





35 years of unparalleled results

Other architectural coatings may have the look of a PVDF coating when new. Resin and other coating manufacturers often claim that their non-PVDF coatings will perform as well as PVDF coatings. But when exposure comparisons are evaluated, the inherent long-life characteristics of 70% HYLAR 5000 PVDF coatings outperform acrylics, plastisols, polyester, high performance polyester, thick film urethanes, anodized metal, and PFEVE coatings. As the data demonstrates, HYLAR 5000 coatings, blended at the optimal ratio of 70%-30% PVDF to acrylic, maintain their color fastness and gloss longer than all other architectural coatings.

The question for architectural specifiers and building owners is simple—why choose a coating that will need replacement 3-4 times during the building's lifetime when HYLAR 5000 PVDF coatings will give over 35 years of unparalleled service?

While other coatings may cost less initially, they cannot compare to the superior cost performance of a 70% HYLAR 5000 PVDF coating. Buildings protected by HYLAR 5000 PVDF coatings for over 35 years are still in place retaining their new-like appearance. The numerous re-coating costs of other systems, over the life of the structure, make HYLAR 5000 coating a smart choice. The value HYLAR 5000 PVDF brings to the building investment—long service life, beauty and ease of maintenance— makes it the wise choice for all involved.





Extensive product testing ensures long term weathering, color, and gloss performance.

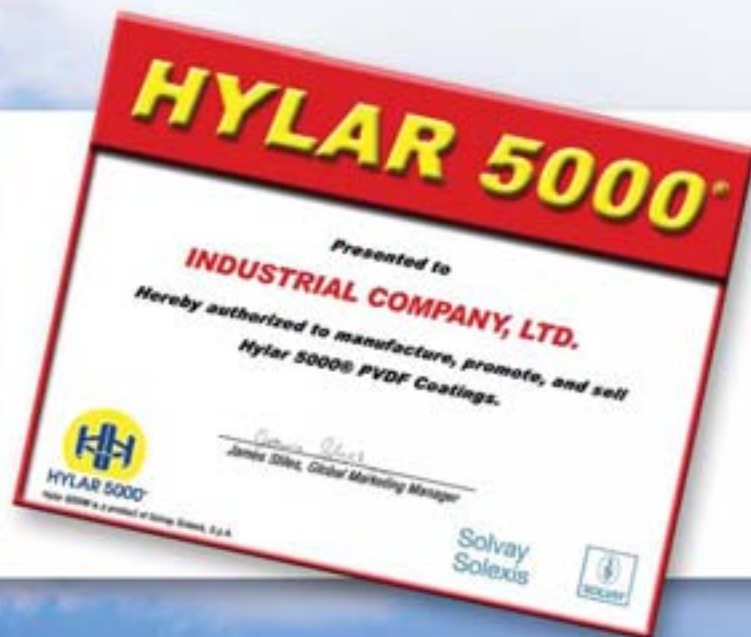
Solvay Solexis—world leader in PVDF resins

HYLAR 5000 PVDF is a product of Solvay Solexis, a new company within the Solvay Group. It was created by the joining of the fluorospecialty assets of Ausimont, originator of HYLAR 5000 PVDF, and Solvay. Among the benefits of this portfolio marriage are a diversified global presence as well as an integrated value chain from raw materials to finished products. Solvay Solexis produces over 50% of the world's PVDF resins for architectural coatings.

Formulated for coil and spray applications

HYLAR 5000 coatings meet AAMA (American Architectural Manufacturers Association) 2605, "Voluntary Specification, Performance Requirements and Test Procedures for Superior Performing Organic Coatings on Aluminum Extrusions and Panels".

HYLAR 5000 coatings are formulated for optimal application via both coil coating and spray applications. Typical uses for coil coated metals are curtain walls, roofs, composite panels, facades, and column covers. Spray applications via vertical and horizontal lines and batch ovens include extrusions, store fronts, louvers, facades and decorative components. HYLAR 5000 coatings offer outstanding OT bend film flexibility, providing excellent post-forming capabilities.

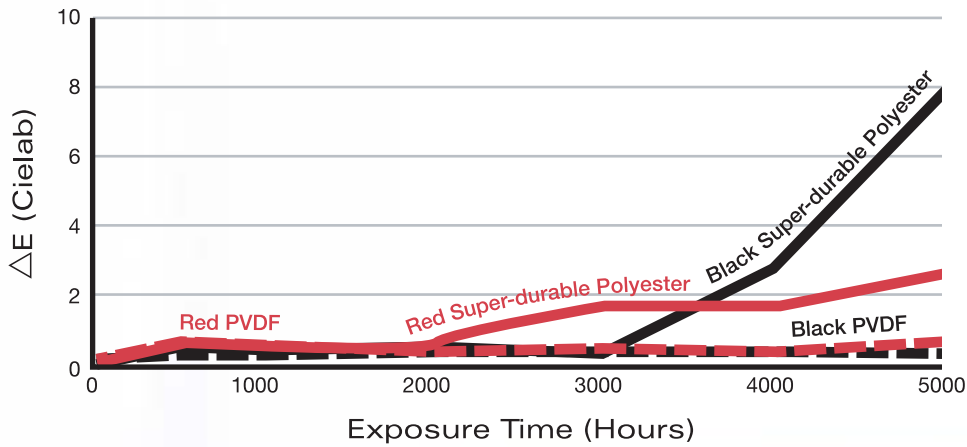


A rigorous qualification process

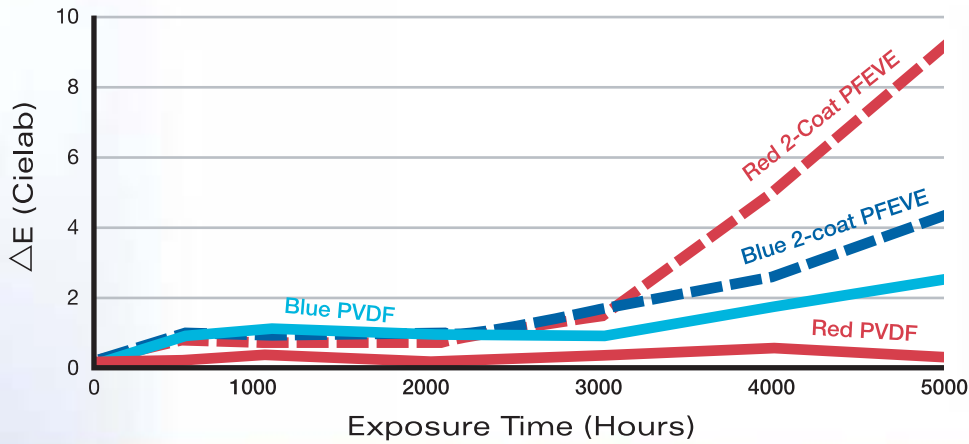
To ensure exceptional quality and integrity, HYLAR 5000 coatings are available only through approved licensees. License applicants must submit to a rigorous two-year qualification process which ensures their production capabilities, quality assurance procedures and technical expertise. Only the best coating producers become HYLAR 5000 licensees. To obtain a list of worldwide licensees and to learn more about the long lasting protection of HYLAR 5000 PVDF coatings, contact Solvay Solexis at 800 323-2874 or visit www.solvaysolexis.com.

Color Retention

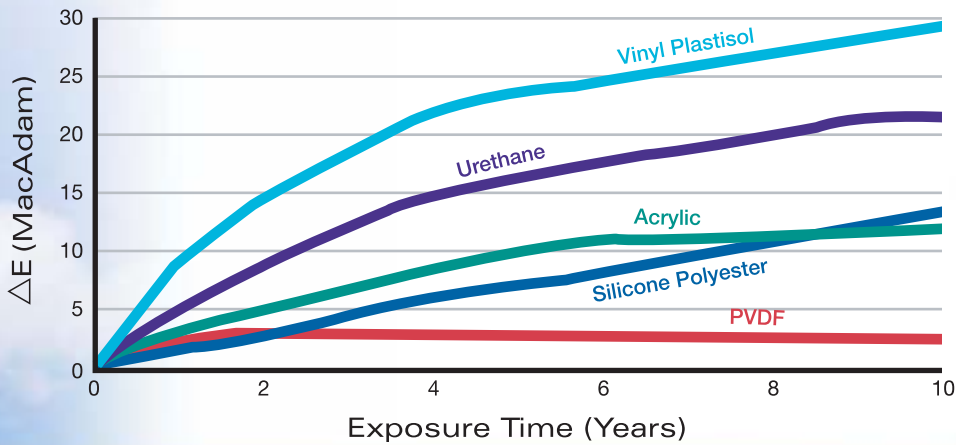
Super-Durable Polyesters QUV Weatherometer



PFEVE-Fluoropolymer Type Coatings QUV Weatherometer

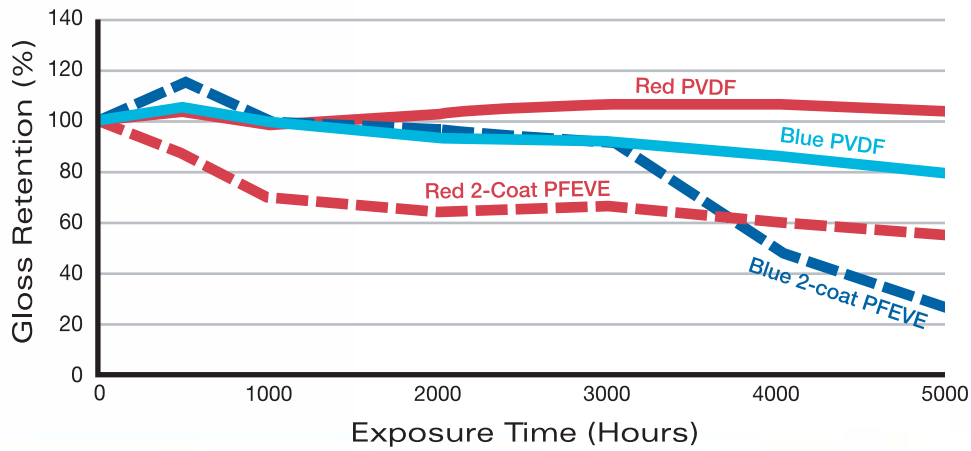


70% HYLAR 5000 Florida Exposure 45° South

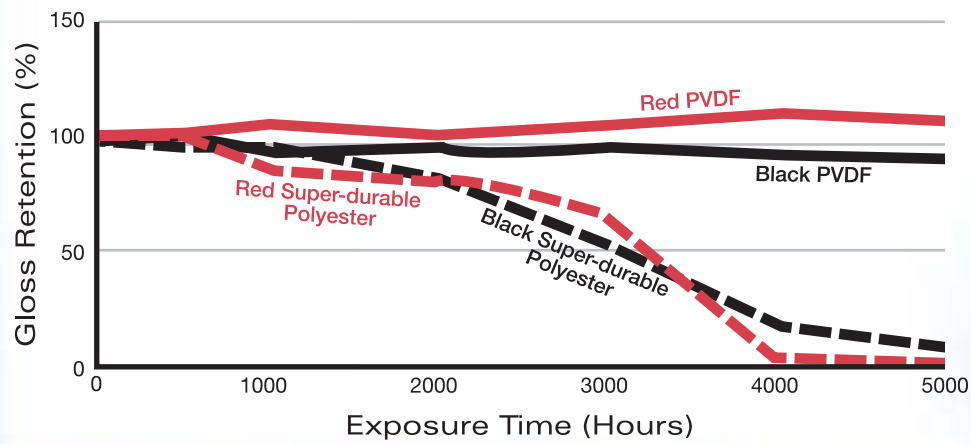


Gloss Retention

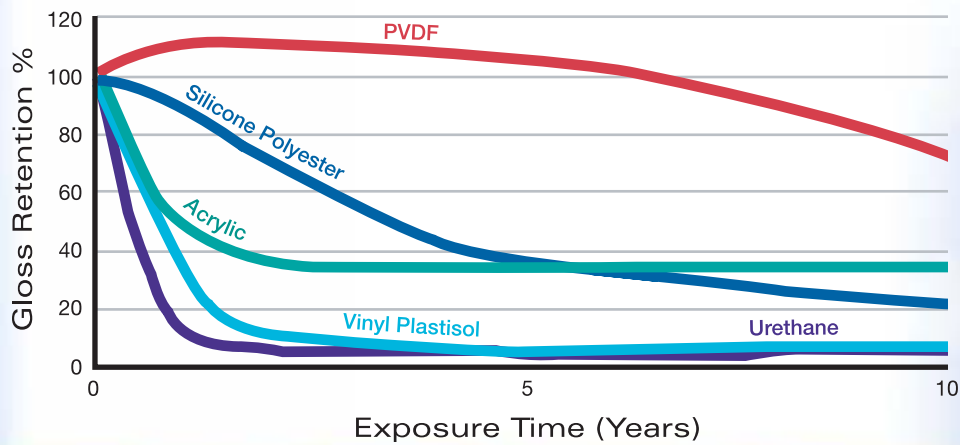
PFEVE-Type Coatings QUV Weatherometer



Super-Durable Polyesters QUV Weatherometer



Florida Exposure 45° South





HYLAR 5000[®] PVDF

Resins for Architectural Coatings

Superior performance

Chemically resistant

Ease of maintenance

Non-chalking

UV resistant



Wide range of colors

Surpasses AAMA 2605

Coil and spray application

Long life — 35+ years of durability

Environmentally responsible

Unmatched color and gloss retention

Unparalleled cost performance

Excellent post-forming (OT bend)

May be applied to numerous substrates



HYLAR 5000®



HYLAR 5000®

USA

Solvay Solexis, Inc.
10 Leonard Lane
Thorofare, NJ
08086
Tel: 856 853-8119
Fax: 856 384-6126

Other Locations Worldwide:

Belgium	Japan
Brazil	China
France	Scandinavia
Germany	Singapore
Italy	Korea
United Kingdom	

Visit our web site www.solvaysolexis.com
to locate your regional sales representative.

To our actual knowledge, the information contained herein is accurate as of the date of this document. However, neither Solvay Solexis, Inc. nor any of its affiliates makes any warranty, express or implied, or accepts any liability in connection with this information or its use. This information is for use by technically skilled persons at their own discretion and risk and does not relate to the use of this product in combination with any other substance or any other process. This is not a license under any patent or other proprietary right. The user alone must finally determine suitability of any information or material for any contemplated use in compliance with applicable law, the manner of use and whether any patents are infringed. This information gives typical properties only and is not to be used for specification purposes. Solvay Solexis, Inc. reserves the right to make additions, deletions or modifications to the information at any time without prior notification.

Copyright 2004, Solvay Solexis, Inc. All Rights Reserved.

Solvay
Solexis



a Passion for Progress®