

QUICK GUIDE

FIVE ESSENTIALS OF TOMORROW'S PVC WINDOW PROTECTION

Coatings for PVC windows have evolved to a new stage. Read our tips for window manufacturers and discover the pioneering coating solution HYDROPUR 2K Color.

HERE'S HOW YOU GET AHEAD OF THE GAME IN PVC WINDOW PROTECTION — FIVE ESSENTIALS

1 LEAVE FILM BEHIND

By using the right kind of coating instead of film, you can get a material that adheres not only to PVC profiles and coextruded seals but also to mixed forms of construction. You can also save cost with the flexibility to order exactly the right amount of material.

2 IMPROVE WEATHER RESISTANCE AND LIGHTFASTNESS

Make sure your windows can withstand the unpredictable elements: choose an advanced coating solution designed for superior weather and UV resistance.

3 SPEED UP PRODUCTION

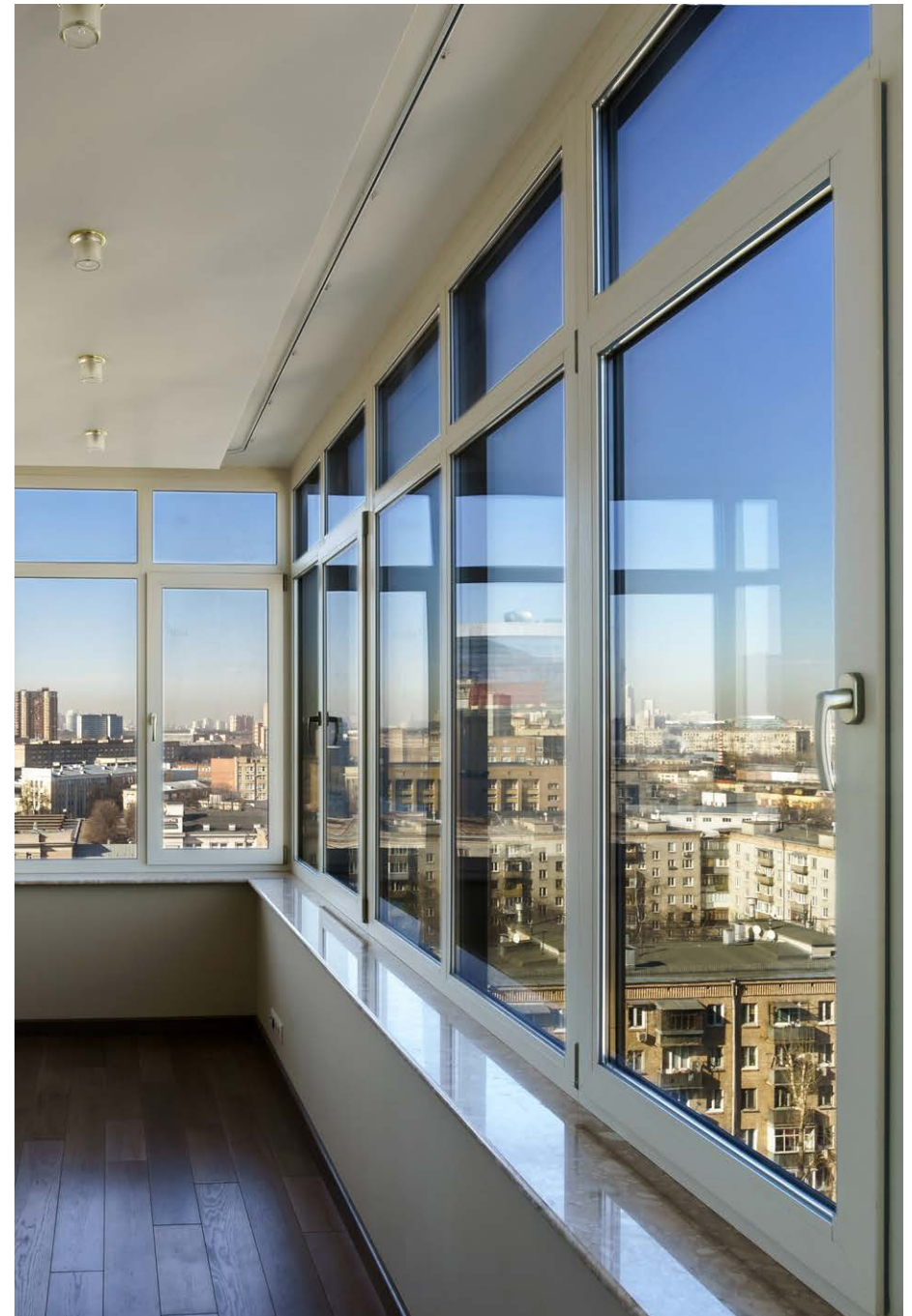
You can employ a single-coat solution with fast-drying properties to maximize your production capacity and output, with no compromise on the quality of window protection.

4 ENSURE EASY MAINTENANCE

With an advanced coating solution, in contrast to film, surfaces are easy to maintain, and scratches and other damage are easy to rectify.

5 MAKE PVC WINDOWS MORE SUSTAINABLE

As sustainability is a growing concern across every industry, you can adopt a waterborne coating solution to reduce the environmental impact of PVC windows.



READY TO MEET YOUR CHALLENGES: DISCOVER HYDROPUR 2K COLOR – PIONEERING COATING SOLUTION FOR PVC WINDOWS



Teknos offers a new waterborne polyurethane colored coating specially developed for unplasticized PVC (uPVC) and glass-fibre reinforced plastic (GRP). HYDROPUR 2K Color is ideal for application as a single-layer coating for both exterior and interior surfaces, offering excellent weather resistance, lightfastness and long-term elasticity.

PRODUCT FACTS

VERSIONS	HYDROPUR 2K COLOR 7515-20 HYDROPUR 2K COLOR 7515-30 HYDROPUR 2K COLOR 7516-15 STRUKTUR
COLOURS	RAL and NCS 5 colour cards
GLOSS LEVEL	Colored coating: Satin 20, Satin 30 Texture: Matt 15
APPLICATION	<ul style="list-style-type: none">▪ Gravity feed gun▪ Air-assisted or airless spraying
CONTAINER SIZE	<ul style="list-style-type: none">▪ Paint: 2.47 L, 8.2 L▪ Hardener: 1 kg, 5 kg
MIXING RATIO	10:1 by weight

DRYING TIMES	
Dust dry after	30 minutes
Touch dry after	90 minutes
Sandable after	3 hours
Recoatable after	3 hours
Fully dry after	24 hours

Note: Chemically resistant after 14 days

COATING RECOMMENDATION

PVC/GRP	HYDROPUR 2K COLOR 7515	HYDROPUR 2K COLOR 7516 STRUKTUR
SURFACE PREPARATION	Cleaning with REINIGUNGSMITTEL 1530-98	Cleaning with REINIGUNGSMITTEL 1530-98
FIRST COAT	HYDROPUR 2K COLOR 7515	HYDROPUR 2K COLOR 7516 STRUKTUR

TEST REPORT SUMMARY

HYDROPUR 2K COLOR 75 15 WEATHERING ON UPVC

Testing of Fastness to weathering (colour fastness) and Resistance to weathering (cross-cut test) after artificial weathering according to Technical appendix, section A, CAT.5 to RAL-GZ 716 (issue July 2018) on colourcoated window profiles made of PVC-U.

STANDARD	Artificial weathering according to DIN EN 513: 2019-03, procedure 1 (simulation of a moderate climate zone M) up to a total irradiation dose equivalent of 8 GJ/m ² in the wave length range of 300 nm to 800 nm. HYDROPUR 2K COLOR 7515		
RESULTS	Fastness to weathering		
	Grey scale A02	Colour distance ΔE^*_{00}	Gloss (600)
RAL 6009	4	1.3	24-32 (28 at delivery)
RAL 5011	4	0.8	22-28 (28 at delivery)
RAL 9006 + HYDROPUR DECKLACK 2K 7590	4-5	0.2	11-12 (9 at delivery)
RAL 9001	4-5	0.1	37-39 (38 at delivery)
RAL 7016	4-5	0.6	29-32 (31 at delivery)
	Resistance to weathering - adhesion of coating (cross-cut test)		
RALS	Before artificial weathering	Gt 0	
	After artificial weathering 8GJ/m ²	Gt 0 The cut edges were completely smooth, none of the squares of the grid had chipped off.	

INTERESTED IN A NEW COATING SOLUTION FOR PVC WINDOWS?

Our mission is to extend the life of your products by providing intelligent, technically advanced paint and coating solutions for even better protection – always in close collaboration with our customers.

