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## **PolyFox™ PF-3320 Coating Additive For 100% Solids UV Roller Coatings for Floors Windows and Doors**

Are you striving to improve the performance of your 100% solids, roll-applied UV coating? Could you take advantage of a coating formula that eliminated air bubbles and craters and at the same time improved the abrasion/scratch/mar performance? Have you been searching for a way to improve anti-blocking and the gloss of your coating? Does your coating application require a high degree of stain resistance, cleanability or solvent resistance?

The inclusion of OMNOVA Solutions' new **PolyFox PF-3320** 100% solids UV curable coating additive can improve all these characteristics. **PolyFox PF-3320** is a fluorochemical diacrylate that reacts into UV coatings and concentrates fluorine at the coating surface.

The unique ability of **PolyFox PF-3320** to perform as both a flow and leveling agent and as a durable surface modifier makes it the right choice for inclusion in your UV coating application. And the patented chemical structure of this 100% solids coating additive also provides deaeration and improved substrate wetting.

**PolyFox** fluorosurfactants are **POLYMERIC POLYETHERS WITH SHORT PERFLUOROALKYL SIDE CHAINS**, giving them a very wide safety margin over conventional fluorosurfactants that are made from C8 and longer perfluoroalkyl chains which have been shown to degrade to PFOA. Currently PFOA and the telomer fluorochemicals that degrade to form it are being investigated by the USEPA for potential environmental and health concerns. This wide environmental and health safety margin for **PolyFox** coating additives coupled with their solid performance attributes and their low foaming nature make them the best choice for inclusion in your new coatings or for substitution into your existing ones.

For proof of the potential benefits of including **PolyFox PF-3320** fluorosurfactant in your 100% solids UV roll applied coating, try the starting formulation below.

**Clear, 100% Solids UV Roller Coat**  
**Floors, Windows and Doors**

<b>Raw Material Add in order listed under agitation</b>	<b>% w/w</b>	<b>Supplier</b>
Laromer™ PE55F	19.37	BASF
Laromer™ PE44F	17.60	BASF
Ebecryl™ 264	26.85	UCB Surface Specialties
Laromer™ HDDA	13.36	BASF
Sartomer™ SR344	17.82	Sartomer
Irgacure™ 184	4.70	Ciba
<b>Mix until dissolved then add</b>		
<b>PolyFox™ PF-3320</b>	0.10	OMNOVA Solutions Inc.
Tego® Airex 920	0.20	Degussa-Tego
TegoWet® 500	0.02	Degussa-Tego
<b>TOTAL</b>	<b>100.02</b>	

Products (raw materials) listed in the chart above are the trademarks or registered trademarks of the supplier indicated.

If you would like samples of PolyFox PF-3320 fluorosurfactant, or further information about the entire PolyFox line for aqueous, solvent or UV coating applications, or for any technical assistance with your coating formulations, please contact your nearest OMNOVA representative, call customer service at (803) 377-2298 or email [carolyn.orr@omnova.com](mailto:carolyn.orr@omnova.com).

**NOTE:**

Although data supplied above are believed to be accurate, each user is advised to make his or her own determination as to whether the described product(s) is/are appropriate for a particular use or application, whether such a use will comply with all applicable laws or regulations, or whether such a use will not infringe the intellectual property rights of third parties.



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