

Diofan[®]



SOLVAY

asking more from chemistry[®]



Diofan[®] PVDC

Waterborne High-Barrier Polymer
Dispersions for Moisture Barrier Coatings

**SPECIALTY
POLYMERS**

Diofan® PVDC

Waterborne Polymer Dispersions for Liquid-Applied, High-Barrier Water Vapor Primers

For 50 years Solvay has been developing and commercializing aqueous dispersions for barrier packaging films broadly used in the food and pharmaceutical industries. The unique knowledge acquired from research in these areas has been successfully extended to applications in building and construction, which require improved protection from moisture and the environment. This includes wet rooms where floor and walls are frequently exposed to water and excessive moisture, e.g. bathrooms, sculleries or washing rooms.

Diofan® PVDC is the best waterborne, liquid-sealing membrane used as a one-pack primer on absorbent materials like gypsum plasterboard, MDF, plywood, cementitious boards, blockwork and concrete. Diofan® PVDC-based primers seal the surface, bind dust, reduce absorbency and improve the bond of watertight covering kits. Diofan® PVDC coatings can be applied to the substrates by brush, roller, spray-gun or similar suitable applicator, and they meet requirements of the European guideline ETAG 022.

The zero/very low VOC Diofan® PVDC dispersions are fully compliant with requirements for food grade paints.



Diofan® PVDC-based barrier primer performance profile:

- Water vapor resistance (Z_p) > 137 Gpa·m²·s/kg (ISO 12572)
- Equivalent air thickness (S_d) > 27 m (ISO 12572)
- Early moisture resistance (< 24 h)
- Flexibility
- Adheres to many substrates
- Can be coated soon after application of any type of sealing membrane
- Washable and stain-resistant
- Flame-retardant
- Can be formulated with no or very low levels of coalescent
- Compliant with European and local regulations for VOCs
- Freedom from plasticizers and any alkylphenol ethoxylates (APE)

Solvay's range of Diofan® PVDC barrier polymers fulfill the most highly specialized expectations of coatings manufacturers for sustainable solutions with unrivalled levels of performance. We offer innovative solutions to help our customers meet difficult challenges in a wide range of markets and coating applications. Our technical specialists are available to work with you to find the right material and give you the support you need to succeed.

www.solvay.com

SpecialtyPolymers.EMEA@solvay.com | Europe, Middle East and Africa

SpecialtyPolymers.Americas@solvay.com | Americas

SpecialtyPolymers.Asia@solvay.com | Asia Pacific

Safety Data Sheets (SDS) are available by emailing us or contacting your sales representative. Always consult the appropriate SDS before using any of our products. Neither Solvay Specialty Polymers nor any of its affiliates makes any warranty, express or implied, including merchantability or fitness for use, or accepts any liability in connection with this product, related information or its use. Some applications of which Solvay's products may be proposed to be used are regulated or restricted by applicable laws and regulations or by national or international standards and in some cases by Solvay's recommendation, including applications of food/feed, water treatment, medical, pharmaceuticals, and personal care. Only products designated as part of the Solviva® family of biomaterials may be considered as candidates for use in implantable medical devices. The user alone must finally determine suitability of any information or products for any contemplated use in compliance with applicable law, the manner of use and whether any patents are infringed. The information and the products are 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. All trademarks and registered trademarks are property of the companies that comprise Solvay Group or their respective owners.

© 2015 Solvay Specialty Polymers. All rights reserved. R 03/2015 | Version 2.2 Brochure design by ahlersheinel.com