



Low VOC product offering for High Performance Building

With people typically spending up to 90% of their time inside residential and public buildings, controlling indoor generated volatile organic compounds (VOC) which can affect indoor air quality and adversely impact health has been placed under increased scrutiny, resulting in new regulations.

What is VOC?

Volatile Organic Compounds are derived from organic chemical compounds and exist in both indoor and outdoor environments. Their chemical composition makes it possible for them to evaporate under normal room temperature, being released into the air as a gas which can compromise indoor air quality for a period of time. VOCs are common and are emitted into the environment from many different types of everyday products.

Dow continues to strive towards offering safer and more sustainable solutions for our range of high-performance building products.



With this in mind, Dow offers high performance, low VOC, neutral cure silicones in Europe and continues to look at ways to further reduce VOCs levels. Our Dow products are high performance and meet or exceed all current industry standards and specifications. The following low VOC DOWSIL™ Sealant Technologies listed below all comply with the European regulations or protocols.

DOWSIL™ Technologies – Test overview

The following DOWSIL™ technologies have been independently tested, to determine the level of release of VOC emissions into surrounding indoor air. The table below summarizes our compliance to European legislation:

Regulation or protocol	Structural glazing				Windows & doors			
	DOWSIL™ 895 Sealant	DOWSIL™ 993 Sealant	DOWSIL™ 994 Sealant	DOWSIL™ 896 Sealant	DOWSIL™ 776 Sealant	DOWSIL™ 796 Sealant	DOWSIL™ 799EU Sealant	DOWSIL™ 994 Sealant
French VOC regulations	A+	A+	A+	A+	A+	A+	A+	A+
French CMR components	✓	✓	✓	✓	✓	✓	✓	✓
Italian CAM edilizia	✓	✓	✓	✓	✓	✓	✓	✓
AgBB/ABG	✓	✓	✓	✓	✓	✓	✓	✓
Belgian regulation	✓	✓	✓	✓	✓	✓	✓	✓
EMICODE	EC1 Plus	EC 1 Plus	EC 2	EC 1	EC 1 Plus	EC1 Plus	EC 1	EC 2
Indoor air comfort	✓	✓	✓		✓	✓	✓	✓
Indoor air comfort GOLD	✓	✓			✓	✓		
Blue Angel (DE-UZ 123)	✓		✓	✓	✓	✓		✓
BREEAM International	Exemplary level	Compliant	Exemplary level	Exemplary level	Exemplary level	Exemplary level	Compliant	Exemplary level
BREEAM Norway	✓	✓			✓	✓	✓	
CDPH	✓	✓	✓	✓	✓	✓	✓	✓
M1	✓	✓				✓	✓	
LEED v4.1								
Byggarbetsdomningen	Accepted					Accepted		

Regulation or protocol	Weatherproofing				Insulating glass		Fire safety
	DOWSIL™ 791 Sealant	DOWSIL™ 813C Sealant	DOWSIL™ Membrane	DOWSIL™ 300 Adhesive	DOWSIL™ 3362 Sealant	DOWSIL™ 3363 Sealant	DOWSIL™ FIRESTOP 700 Sealant
French VOC regulations	A+	A+	A+	A+	A+	A+	A+
French CMR components	✓	✓	✓	✓	✓	✓	✓
Italian CAM edilizia	✓	✓	✓				
AgBB/ABG	✓	✓	✓	✓	✓	✓	✓
Belgian regulation	✓	✓	✓	✓	✓	✓	✓
EMICODE	EC1 Plus	EC1 Plus	EC1 Plus	EC1 Plus	EC 1	EC 1 Plus	EC 1 Plus
Indoor air comfort	✓	✓	✓	✓	✓	✓	✓
Indoor air comfort GOLD	✓	✓	✓	✓		✓	✓
Blue Angel (DE-UZ 123)	✓	✓	✓				
BREEAM International	Exemplary level	Exemplary level	Exemplary level	Exemplary level	Compliant	Compliant	Compliant
BREEAM Norway	✓	✓		✓	✓	✓	✓
CDPH	✓	✓	✓	✓	✓	✓	✓
M1	✓	✓	✓	✓	✓	✓	
LEED v4.1			Compliant				
Byggsvarubedomningen	Accepted	Accepted					Accepted

Further information concerning changes to VOC in DOWSIL™ Technologies may be found by visiting dow.com/construction. Alternatively, please contact your local Dow Technical Specialist for specific advice.

For more information

Learn more about Dow's full range of High Performance Building solutions by visiting us online at dow.com/construction.

Dow has sales offices, manufacturing sites and science and technology laboratories around the globe. Find local contact information at dow.com/contactus.



Dow High Performance Building website:
dow.com/construction

Visit us on Twitter
[@DowHPBuilding](https://twitter.com/DowHPBuilding)



Contact Dow High Performance Building:
dow.com/customersupport

Visit us on LinkedIn
[Dow High Performance Building](https://www.linkedin.com/company/dow-high-performance-building)

Image: AdobeStock_260994615

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ PRODUCT AND SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION. THE SAFETY DATA SHEET IS AVAILABLE ON THE DOW WEBSITE AT WWW.DOW.COM, OR FROM YOUR DOW SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING DOW CUSTOMER SERVICE.

NOTICE: No freedom from infringement of any patent owned by Dow or others is to be inferred. Because use conditions and applicable laws may differ from one location to another and may change with time, Customer is responsible for determining whether products and the information in this document are appropriate for Customer's use and for ensuring that Customer's workplace and disposal practices are in compliance with applicable laws and other government enactments. The product shown in this literature may not be available for sale and/or available in all geographies where Dow is represented. The claims made may not have been approved for use in all countries. Dow assumes no obligation or liability for the information in this document. References to "Dow" or the "Company" mean the Dow legal entity selling the products to Customer unless otherwise expressly noted. NO WARRANTIES ARE GIVEN; ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY EXCLUDED.

™ Trademark of The Dow Chemical Company ("Dow") or an affiliated company of Dow

© 2020 The Dow Chemical Company. All rights reserved.

2000006744

Form No. 62-2176-01-1120 S2D