



Technical Data Sheet
for Europe, Middle East, Africa and India

DOW™ LATEX POWDER (DLP) 2050

Redispersible Latex Powder

Product Description DOW™ Latex Powder (DLP) 2050 Redispersible Latex Powder is a free-flowing, white powder obtained by spray drying an aqueous vinyl acetate-ethylene copolymer dispersion. DLP 2050 Redispersible Latex Powder offers all advantages of a free-flowing powder additive, like ease of transportation, storage and handling. DLP 2050 Redispersible Latex Powder has especially been developed for Self Leveling Flooring Compounds and Repair Mortars based on cement. DLP 2050 product has a very low VOC, which makes the product suitable to produce Self Leveling Flooring Compounds meeting the EMICODE EC1 requirements.

Applications

- Self-leveling flooring compounds based on cement
- Repair mortars

Advantages

DLP 2050 Redispersible Latex Powder has enhanced flow, wetting and de-aerating properties and improves the workability. DLP 2050 Redispersible Latex Powder yields good mechanical properties like flexural and compressive strength, abrasion resistance and transversal deformation. DLP 2050 Redispersible Latex Powder is especially suggested for self-leveling flooring compounds and repair mortars exposed to conditions of thermal or mechanical stress. It offers enhanced surface quality, adhesion to the substrate and helps to reduce the formation of cracks caused by shrinkage.

Polymer base	Vinyl acetate – ethylene copolymer
Powder	
Appearance	White, free-flowing powder
Residual moisture	Maximum 2 %
Bulk density	0.400 – 0.550 g/ml
Ash content	12 - 16 %
Glass transition temperature (Tg)	ca. 17°C
Redispersion (50 % solids):	
Minimum film formation temperature (MFFT)	3 °C
pH	6

(1)These data are typical values and cannot be considered as a specification.

Health and Safety Considerations

Safety Data Sheets (SDS) are available from The Dow Chemical Company. SDS are provided to help customers satisfy their own handling, safety and disposal needs and those that may be required by locally applicable health and safety regulations. SDS are updated regularly, therefore, please request and review the most current SDS before handling or using any product. For further questions consult your Dow contact person.

Handling

DOW™ Latex Powder (DLP) 2050 Redispersible Latex Powder is a free-flowing powder, and as such can create dust. Avoid dust build-up. Fine dust of this product can form explosive mixtures with air and could pose fire and explosion hazard; keep away from ignition sources. Take precautions to avoid accumulation of static charge. Practice care and caution to avoid explosive conditions.

Storage

DLP 2050 Redispersible Latex Powder should be stored in a dry and cool environment. Storage in high humidity and temperature will increase the risk of blocking. Storage under pressure should also be avoided. Do not stack pallets on top of each other. Please consult the SDS for information on the product shelf life.

Disposal

Typically, DLP 2050 Redispersible Latex Powder products can be disposed of by industrial incineration or in an approved landfill, providing regulations are observed. Customers are advised to review their local, state, provincial, or national regulations governing the disposal of waste materials to confirm the appropriate means of disposal in their area.

Chemical Registration

Many countries require the registration of chemicals, either imported or produced locally, prior to their commercial use. Violation of these regulations may lead to substantial penalties imposed upon the user, the importer or manufacturer, and/or cessation of supply. It is in your interests to ensure that all chemicals used by you are registered. The Dow Chemical Company does not supply unregistered products unless permitted under limited sampling procedures as a precursor to registration.

Product Stewardship

Dow has a fundamental concern for all who make, distribute and use its products, and for the environment in which we live. This concern is the basis for our Product Stewardship philosophy by which we assess the safety, health, and environmental information on our products and then take appropriate steps to protect employee and public health and our environment. The success of our Product Stewardship program rests with each and every individual involved with Dow products - from the initial concept and research, to manufacture, use, sale, disposal, and recycle of each product.

Customer Notice

Dow strongly encourages its customers to review both their manufacturing processes and their applications of Dow products from the standpoint of human health and environmental quality to ensure that Dow products are not used in ways for which they are not intended or tested. Dow personnel are available to answer your questions and to provide reasonable technical support. Dow product literature, including safety data sheets, should be consulted prior to use of Dow products. Current safety data sheets are available from Dow.

**Additional
Information**

For more information you may call the following numbers:

International Toll-Free

00800-3-694-6367

International Toll-Free from:

Austria, Belgium, Denmark, Finland (prefix 990), France,
Germany, Hungary, Ireland, Netherlands, Norway, Portugal,
Spain, Sweden, Switzerland, United Kingdom.

EMEAI Toll Call

0031-11567-2626

Italy Toll-Free National

00800-783-825

South Africa Toll-Free National

00800-99-5078

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.