



Technical Data Sheet

DOWSIL™ 3550 Super FIX

DOWSIL™ 3550 Super FIX is a single-component, fast-curing, polyurethane-based adhesive that delivers high bond strength and excellent water resistance. Its rapid curing capability makes it especially suitable for bonding wooden surfaces that are exposed to water splashes and moisture, ensuring long-lasting performance in demanding conditions.

Features & Benefits

- Cures quickly with a short press time of just 15 minutes.
- Meets D4 classification as per DIN EN 204 standards.
- Offers exceptionally strong bonding on wooden substrates.
- Economical due to low material consumption.
- Suitable for use on slightly damp surfaces.
- Provides excellent resistance to chemicals.
- Highly durable against moisture and varying weather conditions.
- Possesses good gap-filling capabilities.
- Emits minimal odor during application.

Applications

DOWSIL™ 3550 Super FIX specifically developed for:

- DOWSIL™ 3550 Super FIX is ideally suited for construction and repair applications that demand a permanent and strong bond between both porous-to-porous and porous-to-nonporous surfaces.
- Its formulation makes it particularly effective for bonding wooden surfaces in moisture-prone environments such as bathrooms, kitchens, and outdoor decks, where consistent exposure to water is expected.
- The adhesive demonstrates excellent compatibility with a wide range of construction materials, including wood, MDF, concrete, metal, polystyrene, polyurethane foam, marble, granite, ceramic, and more, making it a versatile solution for diverse bonding needs in both residential and commercial projects.

Typical Properties

Specification Writers: These values are not intended for use in preparing specifications.

Test	Property — Tested at 50% RH and 23°C	Unit	Result
	Basis		Polyurethane prepolymer
	Color		Translucent
	Consistency		Thixotropic

Note: The above values are obtained typical lab conditions. These values are not for use in preparing specifications.

Please contact Dow representative for specification values.

Pressing time depends on ambiance conditions (temperature, humidity etc.) and porosity of the surfaces to be bonded.

Typical Properties (Cont.)

Test ¹	Property — Tested at 50% RH and 23°C	Unit	Result
EN ISO 2811-1	Density		1.15
	Consumption		Approx. 150g/m ²
	Pressing Time	min.	15
ASTM C679	Tack Free Time	min.	10
	Application Temperature	°C	+5 to +35
DIN EN 205 WATT 91	Temperature Resistance	°C	-20 to +80
	Maximum Shear Strength (beech-beech)		
	After 15 min.	kgf/cm ²	~50
	After 24 hours	kgf/cm ²	~100
DIN EN 205 WATT 91	After 7 days	kgf/cm ²	~120
	After 7 days at 80°C	kgf/cm ²	~100

Standards

Meets or exceeds the requirements of the following specifications:

- D4 classification according to DIN EN 204
- Tested according to DIN EN 14257 (WATT 91)

1. EN: European Norm
ASTM: American Society for Testing and Materials
DIN: Deutsche Industrie Norm
WATT: Wood Adhesives Temperature Test

How to Use

- Ensure that all substrates are dry, clean, and free from dust, oil, or grease before application.
- Apply the adhesive within a temperature range of 5°C to 35°C for best results.
- Lightly moistening the bonding surfaces can enhance adhesion strength.
- The adhesive should be applied to one surface only, in a straight or wave-like pattern, and completed within 2 minutes.
- Use mechanical fasteners to hold the bonded materials together for 15 to 20 minutes, allowing the adhesive to fully cure.
- Any uncured adhesive can be cleaned using acetone.

How to use Required Testing in the Application

It is the responsibility of the end user to thoroughly test any proposed use of the adhesive and independently conclude satisfactory performance in the application.

Handling Precautions

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 DOW.COM, OR FROM YOUR DOW SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING DOW CUSTOMER SERVICE.

Usable Life and Storage

When stored at or below 25°C in the original unopened containers, this product has a usable life of 12 months from the date of manufacture. Refer to product packaging for expiry date.

Packaging Information

Limitations

- Not suitable for polyethylene, polypropylene, nylon, ABS, PTFE
- Storage above 35°C may shorten the shelf life
- Should be tested before application for specific substrates

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

Health and Environmental Information

To support customers in their product safety needs, Dow has an extensive Product Stewardship organization and a team of product safety and regulatory compliance specialists available in each area.

For further information, please see our website, dow.com, or consult your local Dow representative.

Disposal Considerations

Dispose in accordance with all local, state (provincial) and federal regulations. Empty containers may contain hazardous residues. This material and its container must be disposed in a safe and legal manner.

It is the user's responsibility to verify that treatment and disposal procedures comply with local, state (provincial) and federal regulations. Contact your Dow Technical Representative for more information.

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.

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