



High Performance Building Panel Reference Guide for DOWSIL™ PanelFix System

Date: February 2022

The below table lists a range of panels that have been tested according to the adapted test procedures from ASTM C-794 and ETAG 002 Paragraph 8.3.2.4.(6) (long term adhesion through qualitative adhesion test). The below panels have been tested and showed good adhesion with DOWSIL™ 896 PanelFix when applied with the cleaner/s and/or primer as described in the table.

Recommended panels for PanelFix application

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

Substrates	Plant of origin(*)	Solvent	Primer	Testing date	Validity period
<u>HPL:</u> Trespa Fundermax Abet Laminati Corian	NL/DE N/A N/A BE	DOWSIL™ R41 Cleaner Plus	None required	Jan 2023 Jan 2023 Jan 2023 Jan 2023	12 months from testing date
<u>MCP:</u> Alucobond Reynobond	N/A N/A	DOWSIL™ R40 Universal Cleaner	DOWSIL™ 1200 OS Primer	Jan 2023 Jan 2023	12 months from testing date
<u>Ceramic:</u> Laminam	IT	DOWSIL™ R40 Universal Cleaner	DOWSIL™ 1200 OS Primer(**) DOWSIL™ Primer P (**)	Jan 2023	12 months from testing date
<u>Mineral Wool:</u> RockPanel	NL	Brush to remove dust	DOWSIL™ Primer P	Jan 2023	12 months from testing date

HPL = High Pressure Laminate
MCP = Metal Composite Panel

(*) Manufacturing location of the panel – our experience showed that quality variations may occur between production sites for the same panel type, hence the possibility to have different recommendations depending on their origin or having panels from a specific manufacturing plant that are not listed in the above table and therefore that cannot be recommended for PanelFix system.
(**) When resin on the backside. Without resin, only DOWSIL™ Primer P is recommended.

Results of above testing are only valid when used within its validity period and as long as the panel supplier certifies that neither the formulation nor manufacturing process has been changed since the relevant Testing Date(s) of the reference samples listed in the above table.

Dow supports the use of DOWSIL™ 896 PanelFix with above combinations for panel bonding application without pre-testing in our lab when used in accordance with the recommendations in this letter, in the print review letter and with the procedures summarized in the DOWSIL™ PanelFix Application Manual. However, Dow being committed to always provide the highest quality and safety standards to our customers, it is always highly recommended, even if not mandatory, to have a representative sample of the panel(s) used for each specific project tested by a Dow laboratory.

Should a specific panel brand/type not be listed in the above table, prior testing by a Dow laboratory is always required.

In addition, Dow must also test all other substrates, sub-frame profiles and any accessory materials that come in contact with DOWSIL™ silicone sealants. Sub-frames made of aluminum mill finish material with flat/smooth and homogeneous surface are defined as suitable for Panel Bonding application. All other sub-frame materials and surface designs need to be tested prior to their application to ensure good wetting and durable adhesion.

Application Warranty

If a Dow application warranty is required, all specific and representative samples of the project coming in contact with DOWSIL™ silicone sealants must be tested and approved by Dow before such project application. Should the applicator start the project without or prior to the availability of such Dow test report, applicator shall remain fully and solely liable for such application and any consequences therefrom until Dow's test report becomes available and confirms compliance of the project application with all relevant requirements, in which case Dow's application warranty will apply.

Should specific panels/substrates be regularly used (within the year) and assuming the substrates' supplier has guaranteed that both formulation and manufacturing process have not changed during such year compared to the sample(s) of reference tested in the above table, exception for mandatory pre-testing (project specific) can be granted in writing by a Dow technical representative.

For any queries in relation to those topics, please contact your respective Dow contacts or your Dow distributor. More information on Dow's offering can be obtained through our Technical Information Center.



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