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Dow Construction Industry System General Test Laboratory Report - Sealant Compatibility

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Project Name: Dow Pigtail Silicone Compatibility Test

COMPATIBILITY TESTING (Modified ASTM C1087)

This letter summarizes the final results of the Compatibility testing of the DOWSIL™ Sealant as you requested.

Method Description: A ¼” bead of sealant is placed on either side of the supplied compound or substrate. Samples are allowed to cure 1 day at 50% +/- 5% RH and 23° ± 2° C (73 +/- 4 Deg F) and are then placed into an ultraviolet (UV) radiation chamber for 21 days for both direct and through glass exposure. After the exposure period is completed, the DOWSIL™ material is evaluated for tab adhesion and visual changes in its appearance caused by contact with the supplied compound or substrate.

General Test Guidelines: The attached test results performed as a “General Test” do not constitute an approval by Dow for any DOWSIL™ Sealant application. The substrates provided, tests performed and test results were made at your request according to ASTM C1087. Dow disclaims any responsibility and/or liability for use of failure test results in any project specific application as conditions and methods of use are beyond our control. The results of these tests are not sufficient to obtain a Dow warranty on any current or future project. If a Dow warranty is required or requested for an intended end use, additional samples and retesting must be performed by a Dow test lab as outlined in the Americas Technical Manual.

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silicones by

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Substrate	Sealant	Cleaning Method	Discolor	Adhesion To Glass	Adhesion To Material	Discolor TG	Adhesion To Glass TG	Adhesion To Material TG
Black Wire	SGS	IPA Wipe	None	Yes	Yes	None	Yes	Yes
Black Wire	982	IPA Wipe	None	Yes	Yes	None	Yes	Yes
Black Wire	121	IPA Wipe	None	Yes	Yes	None	Yes	Yes
Black Wire	795	IPA Wipe	None	Yes	Yes	None	Yes	Yes
Black Wire	791	IPA Wipe	None	Yes	Yes	None	Yes	Yes
Red Wire	SGS	IPA Wipe	None	Yes	Yes	None	Yes	Yes
Red Wire	982	IPA Wipe	None	Yes	Yes	None	Yes	Yes
Red Wire	121	IPA Wipe	None	Yes	Yes	None	Yes	Yes
Red Wire	795	IPA Wipe	None	Yes	Yes	None	Yes	Yes
Red Wire	791	IPA Wipe	None	Yes	Yes	None	Yes	Yes

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Substrate	Sealant	Cleaning Method	Discolor	Adhesion To Glass	Adhesion To Material	Discolor TG	Adhesion To Glass TG	Adhesion To Material TG
Large Heat Shrink Tubeing	SGS	IPA Wipe	None	Yes	Yes	None	Yes	Yes
Large Heat Shrink Tubeing	982	IPA Wipe	None	Yes	Yes	None	Yes	Yes
Large Heat Shrink Tubeing	121	IPA Wipe	None	Yes	Yes	None	Yes	Yes
Large Heat Shrink Tubeing	795	IPA Wipe	None	Yes	Yes	None	Yes	Yes
Large Heat Shrink Tubeing	791	IPA Wipe	None	Yes	Yes	None	Yes	Yes

Small Heat Shrink Tubeing	SGS	IPA Wipe	None	Yes	Yes	None	Yes	Yes
Small Heat Shrink Tubeing	982	IPA Wipe	None	Yes	Yes	None	Yes	Yes
Small Heat Shrink Tubeing	121	IPA Wipe	None	Yes	Yes	None	Yes	Yes
Small Heat Shrink Tubeing	795	IPA Wipe	None	Yes	Yes	None	Yes	Yes
Small Heat Shrink Tubeing	791	IPA Wipe	None	Yes	Yes	None	Yes	Yes

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Substrate	Sealant	Cleaning Method	Discolor	Adhesion To Glass	Adhesion To Material	Discolor TG	Adhesion To Glass TG	Adhesion To Material TG
Connector	SGS	IPA Wipe	None	Yes	Yes	None	Yes	Yes
Connector	982	IPA Wipe	None	Yes	Yes	None	Yes	Yes
Connector	121	IPA Wipe	None	Yes	Yes	None	Yes	Yes
Connector	795	IPA Wipe	None	Yes	Yes	None	Yes	Yes
Connector	791	IPA Wipe	None	Yes	Yes	None	Yes	Yes

Pigtail Cable	SGS	IPA Wipe	None	Yes	Yes	None	Yes	Yes
Pigtail Cable	982	IPA Wipe	None	Yes	Yes	None	Yes	Yes
Pigtail Cable	121	IPA Wipe	None	Yes	Yes	None	Yes	Yes
Pigtail Cable	795	IPA Wipe	None	Yes	Yes	None	Yes	Yes
Pigtail Cable	791	IPA Wipe	None	Yes	Yes	None	Yes	Yes

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Substrate	Sealant	Cleaning Method	Discolor	Adhesion To Glass	Adhesion To Material	Discolor TG	Adhesion To Glass TG	Adhesion To Material TG
Small Black Wire	SGS	IPA Wipe	None	Yes	Yes	None	Yes	Yes
Small Black Wire	982	IPA Wipe	None	Yes	Yes	None	Yes	Yes
Small Black Wire	121	IPA Wipe	None	Yes	Yes	None	Yes	Yes
Small Black Wire	795	IPA Wipe	None	Yes	Yes	None	Yes	Yes
Small Black Wire	791	IPA Wipe	None	Yes	Yes	None	Yes	Yes
Small Red Wire	SGS	IPA Wipe	None	Yes	Yes	None	Yes	Yes
Small Red Wire	982	IPA Wipe	None	Yes	Yes	None	Yes	Yes
Small Red Wire	121	IPA Wipe	None	Yes	Yes	None	Yes	Yes
Small Red Wire	795	IPA Wipe	None	Yes	Yes	None	Yes	Yes
Small Red Wire	791	IPA Wipe	None	Yes	Yes	None	Yes	Yes

Application recommendations are based on Dow laboratory testing, evaluation, and technical specifications.

The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that our products are safe, effective and fully satisfactory for the intended end use. Suggestions of use shall not be taken as inducements to infringe any patent.

Dow's sole warranty is that our products will meet the sales specifications in effect at the time of the shipment.

Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted.

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If you have any questions, please do not hesitate to call me at 989-496-5403 or email m.j.brasseur@dowcorning.com

Sincerely,

Mike Brasseur

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