

Technical Service Report

技 术 报 告

Tracking Number: TP-20200804 编号: TP-20200804

Prepare For: Hangzhou Dikeweixun 客户: 杭州迪科威逊

Project: PU decorative panel bonding 项目: PU装饰板粘接

Sika (China) Ltd., S&B
Technical Services Laboratories

西卡（中国）技术服务实验室
密封与粘接

Date: 2020.08.11

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Requested By: 申请人:	Gao Yujie 高玉杰	Prepared By: 测试人:	Jason Wang 王洵
Customer: 客户:	Hangzhou Dikeweixun 杭州迪科威逊	Project: 项目:	PU decorative panel bonding PU装饰板粘接
Materials Tested: 测试材料:	Products 产品	Test type 实验类别:	Peel strength testing 剥离强度测试
	Sealant 密封胶: Sikaflex connection		Peel strength test on PU decorative panel 聚氨酯装饰板的剥离强度测试
	Substrates 基材:		
	PU decorative panel 聚氨酯装饰板		/

Purpose of Testing

实验目的:

1. Sika sealants peel strength test on PU decorative panel.
西卡密封胶对聚氨酯装饰板的剥离强度测试。

Test Method

实验方式:

Initial peel strength of lamination adhesives (*Sika Test Method CQP561-1*). In test, Sika sealants be applied onto PU decorative panel without pretreatment. Test specimens subjected to below Sika's Storage Condition:

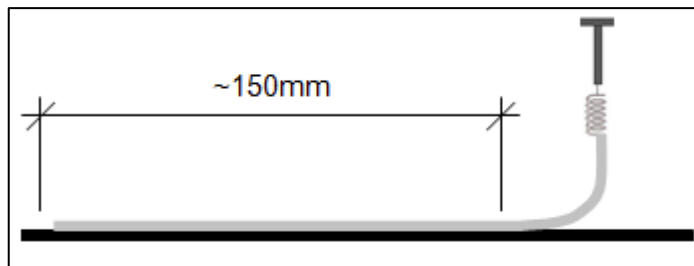
复合胶粘剂初始剥离强度测试（西卡测试方法CQP561-1）。实验中，西卡密封胶施工于表面未处理的基材上，随后测试件存放于西卡标准老化条件:

■ 7 days 23°C / 50% R.H.	7天 23°C 50%的相对湿度
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The board is fixed on a table with the screw clamps. With the spring balance the flooring is torn off the substrate/sealant. The angle is 90°. The first two centimeters are torn off without measuring the force. The testing speed during the measurement is about 300mm/min (duration of the test is about 30s). Record maximum delamination force [N/cm] after test. 将基材用夹具固定在桌面上。使用弹簧秤以90°拉伸基材/密封胶。撕开的前2厘米无需记录拉力。测试速度约为300mm/min（整个测试时间约为30s）。记录最大拉伸力。



Results 测试结果:

The following tables show results testing.

以下表格是粘接实验结果

Table 1: Adhesion test

Sealant 密封胶	Surface Pretreat 表面处理	Test condition 测试环境:	B: 23℃/7 天
		Substrate 测试基材:	PU decorative panel PU装饰板
Sikaflex connection	Without treatment 无处理	剥离力: 48.0 N (最大值)	
		剥离强度: 约 24 N/cm (2.45kgf/cm)	

图1. Test result 测试结果



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Summary of Results and Conclusion:测试结论:

Under the sealant Sikaflex connection bonded to PU decorative panel without pre-treatment, the peel strength was approx. 24 N/cm. Meet the requirement of common adhesion.

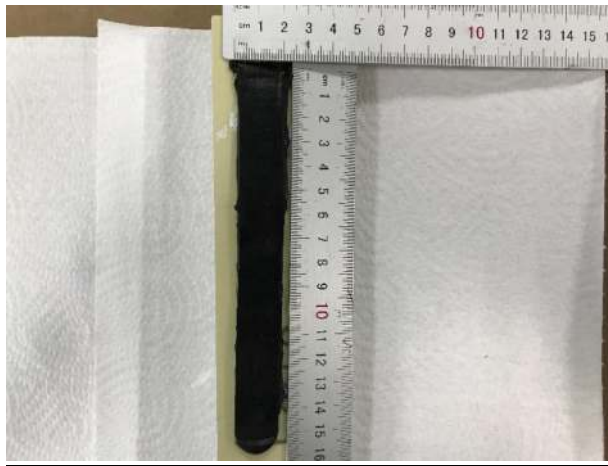
Sikaflex connection对聚氨酯装饰板在无底涂剂处理的情况下，剥离强度达到24 N/cm (2.45kgf/cm)，能够达到普通粘接要求。

Recommendations建议:

Due to the variety of application environment, in order to obtain the best performance of Sika sealants, we recommend to pre-treat the substrate with Sika primer.

由于施工环境的多样性，为保证西卡密封胶获得最佳的性能，建议使用底涂剂处理基材。

样品照片:



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