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	日期：	2020.08.11

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Date: 日期:	2020-08-11	Tracking Number: 编号:	TP-20200804
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** Sealant 密封胶: Sikaflex connection **Substrates 基材:** PU decorative panel 聚氨酯装饰板	**Test type** 实验类别:	**Peel strength testing** **剥离强度测试** Peel strength test on PU decorative panel 聚氨酯装饰板的剥离强度测试 /

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。
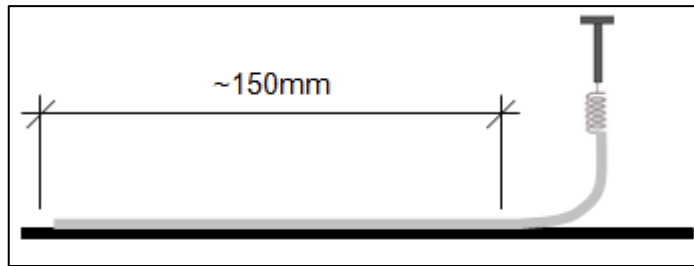
Results 测试结果:

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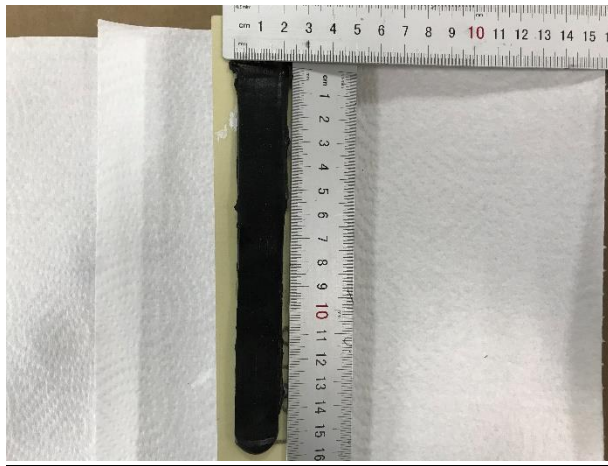Sikaflex connection对聚氨酯装饰板在无底涂剂处理的情况下，剥离强度达到24 N/cm（2.45kgf/cm），能够达到普通粘接要求。

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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