

Request for testing

RT1/RT2

MS-Nr.: PD2008003

Requestor	:	Pedro Doors
Customer	:	Guardian
Date	:	
Projekt	:	IGS3723
Volume	:	

Reason for the request:

Guardian would like to know the adhesion of IGS3723 on their different kind of glass substrates

Test:

Prepare peeladhesions on customer substrate material and report the cohesive failure. Test after 10 days cured at RT and then after 7 days water immersion, followed by 7 days at 100°C

Materials

Grade	Batch number
IGS3723	

Cure

10 days RT cure

Substrates

Type	pre treatment required ?
SUN GUARD solar royal 20 (RB 20)	Mek cleaned
SUN GUARD HP silver 35 (S35)	Mek cleaned
SUN GUARD HP NP61 (N61)	Mek cleaned
Reference glass	Mek cleaned

Between brackets the abbreviations for the tests. These were put on already by the customer.

Properties to report :

Cohesive failure %

Strength N/mm

Results:

Peel adhesions were made and cured for 10 days RT

Specimen	10 days RT CF (%)	+7 days H2O CF (%)	+7 days 100°C CF (%)
S35C	100	100	100
RB20C	100	100	100
N61C	100	100	100

+7 days H2O= 10 days RT and than 7 days H2O

+7 days 100°C= 10 days RT , 7 days H2O and than 7 days 100°C

Specimen	10 days RT Strength (N/mm)	+7 days H2O Strength (N/mm)*	+7 days 100°C Strength (N/mm)
S35C	3.036	3.140	2.965
RB20C	3.166	3.650	3.084
N61C	3.673	4.238	4.293

Conclusion:

Adhesion on coating side of customer glass substrate is no problem