

Henkel Innovation Center Düsseldorf

Test report CJAAW4-CMIC



Customer

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Aiginio
Greece

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Task to be performed

Window profile frames wrapped with Renolit PVC foil, TECHNOMELT PUR 5510 as adhesive and TECHNOMELT PUR PRIMER 6B-23 as primer.
Check peel strength before and after aging test according to RAL 716.

Final report

Test date: 17.02.2023 Examiner: Ioannis Tserkezis

Test material

Type of adhesive	Kind of adhesive
• TECHNOMELT® PUR 5510	• PUR
Carrier board	Kind of profile
• PVC	•
Substrate	Manufacturer
• PVC-foil	• Renolit

Test methods

• Peel test according to RAL 716

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Specimens (fabrication and information)

Technology/ Machine manufacturer	Profile Wrapping
Type of application	<ul style="list-style-type: none">• DÜSPOHL
Specimens:	<ul style="list-style-type: none">• Nozzle• received from customer

Test results

TECHNOMELT PUR 5510		
	7 days 23°C / 65% r.Hd	42 days 70°C /98% r.Hd.
Peel test [N/mm]	-	2,0 N/mm

Conclusion

The samples bonded with TECHNOMELT PUR 5510 as adhesive and TECHNOMELT PUR PRIMER 6B-23 as primer show a high peel strength and a high resistance during the storage according to RAL 716.

The samples were taped between carrier and foil but unfortunately not wide enough for the ZWICK Peel strength equipment in the ICD.

One sample was slightly wider, this one was used for the aging test which is the most important and critical test in our experience.

Costs arisen at our ICD: 865€

The information provided herein, especially recommendations for the usage and applications of our products, is based on our knowledge and experience. Due to different material used as well as to varying working conditions beyond our control we strictly recommend to carry out intensive trials to test the suitability of our products with regards to the required process and applications. We do not accept any liability with regards to the above information or with regard to any verbal recommendation, except for cases where we are liable of gross negligence or false intention.