## Annex 1, Summary test report EN 1279-2



TNO-TPD Eindhoven, PO. Box 595 5600 AN Eindhoven Netherlands Lab.n° 1154

Summary of report n°: DMP-RPT-04- 0097

Date: 03-03-2004

Insulating glass units - Moisture penetration results according to EN 1279-2

For details, see the test report.

Company:

Name: TruSeal Technologies

Address: 23150 Commerce Park

Beachwood OH 44122

**USA** 

Plant:

Name: TruSeal Technologies

Address: 23150 Commerce Park

Beachwood OH 44122

USA

System description, file number: Not available (Prototype ITT)

Product name: TruSeal Duraseal®

System conforms:

YES

NOTE Comparisons of moisture penetration indices of different insulating glass unit system are meaningless.

Signature: L. le Comte, B.Sc.

Carillante

Date: 03-03-04

## Annex 3, Summary test report EN 1279-4



Summary of report n° DMP-RPT-04-0097

Insulating glass units - Seal properties results according to EN 1279-4

For details, see the test report

Company:

Name: TruSeal Technologies

Address: 23150 Commerce Park

Beachwood OH 44122

USA

Plant:

Name: TruSeal Technologies Address: 23150 Commerce Park

Beachwood OH 44122

**USA** 

Sealant specification: Duraseal® as single seal (prototype)

Sealant in IGU positively tested according to EN 1279-2, report no: DMP-RPT-04-0097 Annex 1

Glass specification when not float glass is used: Not relevant

Seal strength test Adhesion:	At intersection with line A-B (see Annex 5&6):		Type of failure observed					
	Average* stress $\sigma_{av}$	Average* extension $\varepsilon_{av}$	C= cohesive A =					
	W MARKETON S			adhesive				
	in MPa	in %	1	2	3	4	5	
Initial cure	0.077	41.8	С	С	С	С	C	
After water immersion	0.070	42.6	С	C	С	С	С	
After heating 60°C	0.065	43.6	C	C	С	С	C	
After UV radiation	0.073	42.6	С	C	C	C	C	

\* Average: without min and max values

Conclusion of seal strength test:

The sealant conforms to the test criteria:

YES\*

All samples show the same kind of curve, aged or not aged. The stress has a maximum within the area OAB, but there is no bond failure of the sealant at that moment. After the maximum there still is a cohesive bonding between the glass and the spacer.

Signature: L. le Comte, B.Sc.

<sup>\*</sup>Remark: The conclusion is that the insulating glass IGU's consisting of clear float glass are **complying** the requirements according to the EN1279-4 series.

## Annex 4, Summary test report EN 1279-6 Annex B 4.2 & C



Summary of report n°: DMP-RPT-04-0097

Date: 03-03-04

Insulating glass units - Periodic test according to EN 1279-6 B<sub>4.2</sub> & C

For details, see the test report

Company:

Name: TruSeal Technologies

Address: 23150 Commerce Park

Beachwood OH 44122

Plant:

Name: TruSeal Technologies

Address: 23150 Commerce Park

Beachwood OH 44122

**USA** 

System description, file number: Not available

Product name: TruSeal Duraseal® as single seal (Prototype ITT)

Annex C: Samples conform to the periodic

testing and inspection requirements:

YES

Annex B4.2: The Iref is a reference of the initial short climate test to be used for periodic short-term moisture vapour penetration test according to EN 1279-6. Iref is determined to be < 0.01 or < 1%.

Signature L. le Comte, B.Sc.

Caniele Conxe.