



Date :- January 9 , 2008  
Ref. No. :-(tb.al/app/03/08)

To : M/S "SMART ARCHITECTURAL SYSTEMS ,  
"SAIF ZONE" , SHARJAH , U.A.E ,  
P.O Box (8552) , SHARJAH . U.A.E.

Attn. :- Eng./ Alaa Al-Minshawy (A.S Manager)

Sub. :- Thermal Break "Smart Alu. System".

Eng./ Alaa ,

With reference to the above mentioned subject , and to the following documents and submittals (which have been submitted to "Sewa") :-

- Testing Work sheets (done by M/S **Giordano Testing Laboratories , ITALY**).
- Technical Manuals.
- Specimen Drawings / Details.
- Samples.

And having examined all the "Testing Criteria" and "Technical Submittals" , the following results have been verified:-

**1) Testing references:-**

- 1/1) Determination of " Air Permeability" , according to:- UNI EN 1026-2001.
- 1/2) Resistance to "Water Load under static pressure" , according to:- UNI EN 1027-2001.
- 1/3) Resistance to "Wind Load" , according to :- UNI EN 12211-2001.
- 1/4) Norms & Classification , according to :- UNI EN 12207-2001 Norms , UNI EN 12208-2000 , UNI EN 12210-2000 , and EN 12210-1999/AC-2001.

**2) Testing Sequences:-**

- 2/1) Measure of Air Permeability in " Positive Pressure".
- 2/2) Measure of Air Permeability in " Negative Pressure".
- 2/3) Measure of Water Load.
- 2/4) Resistance to Wind Load with :-
  - 2/4/1) Measure of deformation under "Wind Load" with (P1) pressure.
  - 2/4/2) Verification of resistance at (P2) pulsating pressure.
  - 2/4/3) Verification of "Air Permeability" in positive pressure after (P1) & (P2) Pressure.



2/4/4) Verification of test security at Extreme Conditions (P3 Pressure).

**3) Testing Results :-**

- 3/1) Air Permeability..... PASSED.  
3/2) Resistance to Water Load under static pressure..... PASSED.  
3/3) Resistance to Wind Load..... PASSED.

**4) Conclusion :-**

Refer to the above mentioned "Tech. Data and Testing Results", and considering that the " Smart Alu. System" meets and fulfil the " Performance Requirements" of : " Air penetration & dust prevention", " Water tightness" and " Resistibility of deflection and harsh weather conditions" in " Gulf Region", the " Smart Alu. System" is approved as a reliable, high quality and economical system.

Best Regards.

Consult. Arch. /

M. Hany AL-Ashmawy  
(S.E.W.A)