

**Bellaterra:** September 25<sup>th</sup>, 2008

**Dossier number:** 08 / 32308630-M1

**Petitioner:** DRIZORO, S.A.  
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**TEST REPORT**

**Register number: 08-0940**

**RECEIVED MATERIAL TO BE TESTED**

A sample of waterproofing mortar with the following reference has been received in Applus+CTC at February 25<sup>th</sup> 2008:

**- MAXSEAL SUPER (GREY) -**

**REQUESTED TESTS**

1.- Determination of the durability and thermal compatibility (50 freeze/thaw cycles of 8 hours in water at 20 °C and 16 hours in air at -20 °C), according to UNE-EN 13687-3:2002

**TEST DATE:** From 25/02/2008 to 16/05/2008

**RESULTS:** See attached documents

(Unreadable signature & laboratory stamp)

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The specified results herein refer exclusively to the material received at Applus+CTC, and it has been tested according to standards or procedures mentioned in the present document.

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<b>DRIZORO, S.A.</b>	<b>MAXSEAL SUPER GREY</b>	

**RESULTS:**

**PREPARATION AND APPLICATION OF THE PRODUCT FOR TESTS**

Product is mixed with water (26%, i.e., 6,5 litter/25 kg bag) and applied by roller. Two coats of mortar are applied with a consumption of 1,25 kg/m<sup>2</sup> per coat in perpendicular direction with a drying time between coats of about 8 hours.

**1.- Determination of the durability and thermal compatibility (50 freeze/thaw cycles of 8 hours in water at 20 °C and 16 hours in air at -20 °C), according to UNE-EN 13687-3:2002**

Reference substrates or supports are 300 x 300 x 100 mm plates made using an aggregate with a maximum size between 8 and 12 mm. Surface probes are prepared with sand-blasting procedure and using MC (0,40) reference concrete according with test standard UNE-EN 1766:2000.

Mortar application is carried out on plates in vertical position that are previously dampened with water for 30 minute.

After a drying, setting and conditioning time for 28 days at 23±2 °C and 50±10% R.H., probes are tested.

Once conditioning period is completed, probes are subjected to 50 thermal cycles. A cycle is composed of the following periods: 8 hours in water at 20°C and 16 hours in air at -20 °C

Once probes have been subjected to the cycles, these probes are conditioned for 24 h at 23±2 °C and 50±10 % R.H. Finally, probes are visually inspected and tested to tensile strength.

Tensile strength test	Standard (Not subjected to cycles)		Probe (Subjected to cycle #1)		Probe (Subjected to cycles #2)	
	1	1,15	B/C	1,03	A/B	1,08
2	1,26	B/C	0,97	A/B	1,03	A/B
3	0,99	B/C	0,87	A/B	0,98	A/B
4	0,98	B/C	1,07	A/B	1,04	A/B
5	1,13	B/C	0,93	A/B	1,00	A/B
<b>Average</b>	<b>1,10</b>		<b>1,00</b>			

A/B: Adhesive break between substrate and the 1<sup>st</sup> coat of the application.

/B: Cohesive break in mortar.

B/C: Adhesive break between the 1<sup>st</sup> and the 2<sup>nd</sup> coat of the application.