



# KING MONGKUT'S UNIVERSITY OF TECHNOLOGY THONBURI

INSTITUTE FOR SCIENTIFIC AND TECHNOLOGICAL RESEARCH AND SERVICES

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**Our ref : ISTRS/2466**

November 27, 2007

**Manager :** FORCONTHAI SEALANT CO.,LTD.

**Subject :** Report of testing the physical properties of the, "Elastic Sealants", two types of Sealants  
(Blue – Forcon-D<sup>®</sup> and Gray - Forcon-D<sup>Plus+</sup> ).

Dear sir ;

The Institute for Scientific and Technological Research and Services, King Mongkut's University of Technology Thonburi has finished testing the physical properties of the samples, "High Elastic Sealant", two types of samples. The standard methods used are the ASTM. Results are as the following:-

Items	Technical Data	Unit	References Standard ASTM NO.	Results	
				(1) Blue	(2) Gray
				Forcon-D <sup>®</sup>	Forcon-D <sup>Plus+</sup>
1.	Density / Specific Gravity	g/ml.	D-1475	1.6090	1.6971
2.	Sagging Properties	mm.	D-4400	0.00	0.00
3.	Tack Free Time at 25 °C	min.	C-679	20.0	20.0
4.	Tack Free Time of Caulking at 25 °C	min.	D-2377	20.0	20.0
5.	Sag / Slump	min.	C-639	0.00	0.00
6.	Volume Shrinkage	%	C-733	3.39	4.23
7.	Effect of Heat Aging on, Weight Loss		C-792		
	- at 70 °C	%		21.72	24.00
	- at 25 °C	%		15.42	19.29
	- at -15 °C	%		2.66	1.63
8.	Effect of Heat Aging on,		C-792		
	- Cracking	%		Disappeared	Disappeared
	- Chalking	%		Disappeared	Disappeared

This report is not official unless it carries the raised seal of the university and the genuine authorized signature (s).

This report is valid only for the specimens tested. It does not apply to other pieces of material or products even though made by the same manufacturer.