





GLOSCORE PHILIPPINES CONSTRUCTION, INC.

Presents

Non-Ozone Depleting Substances
Technologies For
Polyurethane Spray Foam System
in the
PHILIPPINES





BLOWING SUBSTANCE Technology Trial and Testing

Venue: Romtech Contruction Inc. Office/Warehouse
Chemical and physical testing were done at Uratex Laboratory

Super Critical CO2 by Achilles Japan March 8-13,2012

Ecomate by Foam Supplies Inc.
December 4-5, 2012

Solstice[™] Liquid Blowing Agent by Honeywell in partnership to BASF

December 12-13, 2012













GLOSCORE PHILIPPINES CONSTRUCTION INC.

ROMTECH CONSTRUCTION INC.



GUESTS AND PARTICIPANTS



TECHNICAL WORKING GROUP (DVG) FOR SECTOR PLAN TO PHASE OUT HCFC-141B IN THE SPRAY FOAM TESTING OF SUPER CRITICAL CO₂ BLOWING AGENT & MODIFIED SPRAY FOAM EQUIPMENT

Representatives:

MARCH 8-13, 2012

We are responsible to take care of the Mother Earth























Super Critical CO₂

by Achilles Corporation

Mr. Ohnuma and Mr. Tosaki











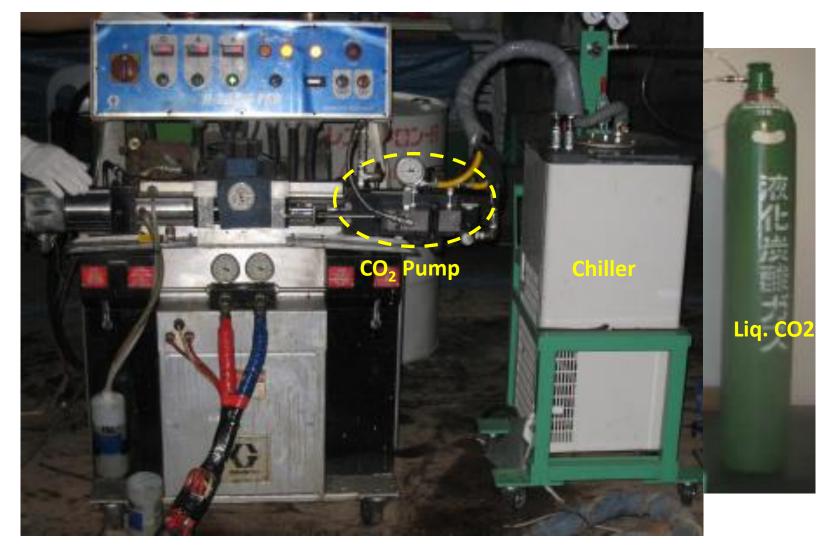








Modified Graco H2035 Proportioner









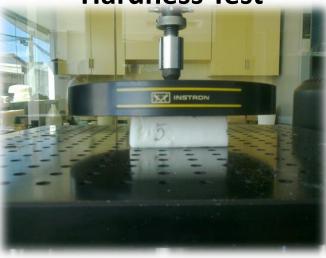


Test Methodology in Uratex Laboratory

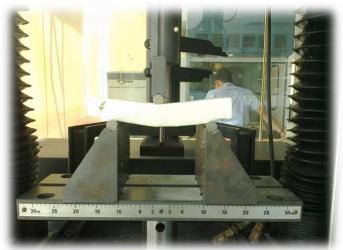




Hardness Test



Flexural Test



Flammability Test









Physical Testing

Super Critical CO₂

A. Achilles

Physical Properties	Unit	Target Value	•	using blowing agent in laboratory		Actual foam spray	
		141B CO	using 141	B using CO ₂	Achilles (2pass)	Romtech (3pass)	
Density	kg/m³	35 + 10%	47.49	68.89	40.74	47.56	
Hardness @ 10% CLD	kgf	n/a	155.98	179.11	154.22	147.98	
Flexural Strength	kN	n/a	0.456	0.864	0.116	0.105	
Flammability Testing	mm/min		0	(Did not ignite)		







ECOMATE Graco E30

Mr. Roy Choudry - FSI









B. Ecomate

Physical Properties	Unit	Sample 1	Sample 2
Density	kg/m³	36.91	34.16
Hardness @ 10% CLD	kgf	68.42	34.65
Flexural Strength	kN	0.017	0.010
Flammability	mm/min	Did not ignite	Did not ignite







Solstice LBA

By Honeywell (Mr. Ben Lu)



Graco Reactor E30 Spray Equipment



C. Solstice LBA

Physical Properties	Unit	Medium Density	High Density
Density	kg/m³	56.72	62.42
Hardness @ 10% CLD	kgf	112.16	143.96
Flexural Strength	kN	0.010	0.020
Flammability	mm/mi n	0 (did not ignite)	







D. Comparative Data Results:

Based on **actual spray foam sample** done at Romtech facilities and **laboratory results of Uratex Company.**

Physical Properties	SSC02	Ecomate	Solstice LBA	HCFC 141B
Density kg/m3	40.74	36.91	56.72 62.42	47.56
Hardness @ 10% CLD kg/f	154.22	68.42	112.16 143.96	147.98
Flexural Strength KN	0.116	0.017	0.010 0.020	0.105
Flammability	0	0	0	0
Note: 0 (did not ignite)				









Evidence of World Global Warming











GLOSCORE PHILIPPINES CONSTRUCTION, INC.

ENGR. GLORIA S. CORREA

378 Edang St., Aurora Blvd., Pasay City

Tel. No. (632) 8538390/5198994 Fax: (632) 5198996

Website: www.gloscorephils.com

Email Address: gloscorephils@yahoo.







