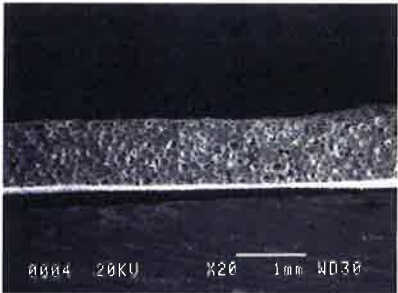
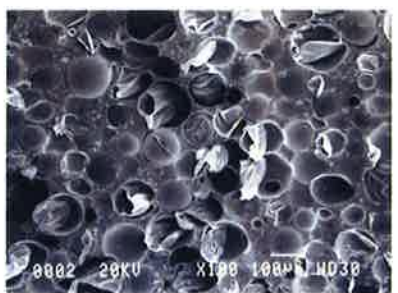
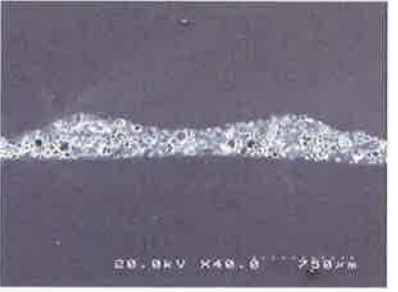
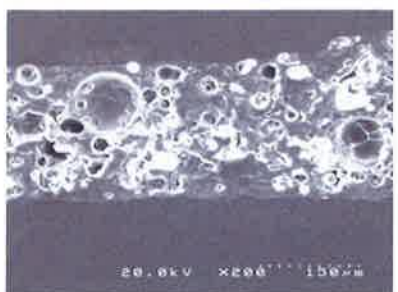
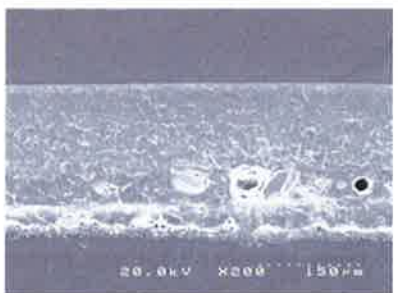
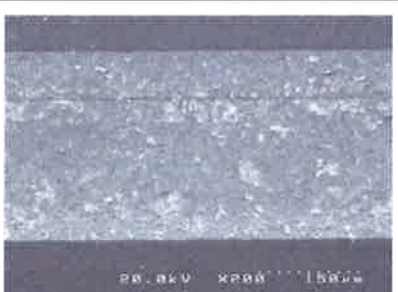
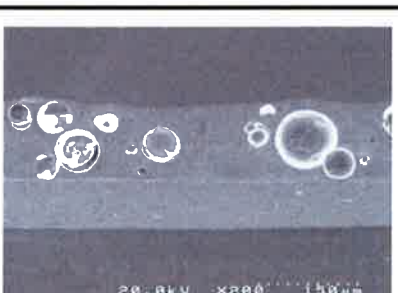




Technical Data

THERMBLOCK JAPAN CO., LTD.

MICROPHOTOGRAPH

Brand Name	× 20 , × 40	× 100 , × 200	Notes
THERMBLOCK			• The contents of the small ball • Volume ratio 50% • According to many balls, a result is better than another product. • THERMBLOCK can be used for a tent.
GAINA			• The contents of the small ball • Volume ratio 50% • The paint film is not flexible.
COOL ONE			• The contents of the small ball • There is no ball.
ECO COOL			• The contents of the small ball • There is no ball.
MIRA COOL			• The contents of the small ball • There is almost no ball.

Classification				Insulation Paint				Reflection paint									
ITEM				THRMBLOCK		GAINA		COOLTHERM		ADGREENCOAT		Mira Cool S100					
manufacturer				Thermblock Japan Co.,Ltd		Nisshin Industrial Co.,Ltd		Ohtaka Shoukai		NCK Corporation		Miracool Sales Co.,Ltd (Ex-Nagashima Tokushu Tenryo Co.,Ltd)					
Features	Material	Catalog Info	Special type of Acrylic Emulsion with highly condensed hollow bead, adding high reflection Titanium Oxide		Acrylic Lysin and Special type of ceramic Mix adding hollow Ceramic Bead		Acrylic Resin and Urethane Resin Mix, adding 4 types of special ceramics		Acrylic Silicon Resin adding Ceramic Agent* Base Coating: Adomild Coat 1time application		Silicon Regin with Hollow Bead and Special agent						
	Functions & Features		Solar Reflecion & Insulation Effect, Duarability, Adhesivity,Elasticity		Solar Reflection and Insulation Effect		Solar Reflection and Insulation Effect		Thermally Distributed Exhaust Function with the addition of Solar reflection type of Precisin Ceramics		Solar Reflection and Insulation Effect						
	Type of Paint		Water Soluble		Water Soluble		Water Soluble		Water Soluble		Weak Solvent						
Reflection Effect		Catalog Info	Roof Top Temp. ↓ 20~30 ℃		5	Surface Temp of WaterProof Sheet Down 27.8℃		3	Roof Top Temp. ↓ 20~30 ℃		5	Roof InsideTemp ↓ 15~20℃		5	Roof InsideTemp ↓ 20℃		2
Solar reflection			More than 85%		3	More than 85%		5	More than 85%		3	More than 85%		3	More than 85%		3
Film Folding Effect		Inhouse Test	Accept Complete Folding without Cracke		5	Accept Slow Speed Folding		3	Cleared 90° Folding test		4	Accept Slow Speed Folding		1	Generate Cracks		1
Elasticity			Very Elastic		5	Rather Elastic		3	N/ A		2	N/ A		2	N/ A		2
Insulation Effect		Site Test	6~7℃		5	4~5℃		3	1~2℃		2	2~3℃		2	1~2℃		2
			Roof Inside temperature			Roof Inside temperature			Roof Inside Temperature			Roof Inside Temperature			Roof Inside Temperature		
Elasticity Rate		For Tent Use	More than 200%		5	117%		2	125%		4	105%		2	N/A.		1
Surface Dry state			⊙			△			△			—			—		
Fixed Type			○			△			△			—			—		
Portable Type			○			N/ A			N/ A			—			—		
Acid Resistance			0		5	○		5	○		5	○		5	○		5
Alkali Resistance			○		5	○		5	○		5	○		5	○		5
Condition			-30℃~140℃			120℃			N/ A			N/ A			N/ A		
Water Proof			○		3	N/ A		1	N/ A		1	N/ A		1	N/ A		1
Dew Prevention			Very Effective		5	Rather Effective		4	Rather Effective		3	N/ A		1	N/ A		1
Sound Proof			Very Effective		5	Effective		4	Rather Effective		2	N/ A		1	N/ A		1
Duarable Years			More Than 15~20 years Accel Weathering Test(3000 Hours)		5	More Than 15~20 years Accel Weathering Test(2000 Hours)		4	More Than 10 years Accel Weathering Test(1000 Hours)		3	No Information		3	More Than 10 years Accel Weathering Test(3000 Hours)		3
Const. Site Temp.			5℃ and More			5℃ and More			5℃ and More			5℃ and More			5℃ and More		
Tools to be used			Spray,Brush, Roller			Spray,Brush, Roller			Spray,Brush, Roller			Spray,Brush, Roller			Spray,Brush, Roller		
Sealer or Primer			Not Required for Metal Type, Required for Ceramics System			Rquired			Required			Solvent Type for Metal, Water Soluble for Ceramic Sytem			Required		
Film thickness			•Film Thickness 0.3mm after Dry			0.6mm Thickness with Water			0.18mm			No Informtion			0.2mm		
Capacity/ Can			11kg			14kg			19ℓ(Appro.26.5kg)			14kg			15kg(LIQ A) + 1. 5kg(LIQ B)		
Coverage/ Can			30㎡			25~30㎡			50㎡			Base Coating: 100㎡(Metal) Top Coating: 46㎡			83㎡		
Material&Const.Cost			\$380/Can(white)			\$510 /Can(white)			\$727 /Can(White)			Base Coating: No Information Top Coating: No Information			\$680 /Can (Including Original Primer)		
material cost/㎡			\$12/㎡		5	\$17~20/㎡		2	\$15/㎡		2	\$20/㎡		1	\$9/㎡		5
Times of Coats			2 Times		5	2 Times and More		4	3~4 Times		3	3~4 Times		3	6 Times		1
House Inside use			⊙			○			Not Available			Not Available			Not Available		
Other Remarks			One Component			One Component			One Component			One Component			Two Components		
Grand Total Grade		⊙		66	○		48	△		44	△		35	△		33	