

HDE MOULDINGS (M) SDN. BHD.

(1238776-A) Light Weight Mouldings

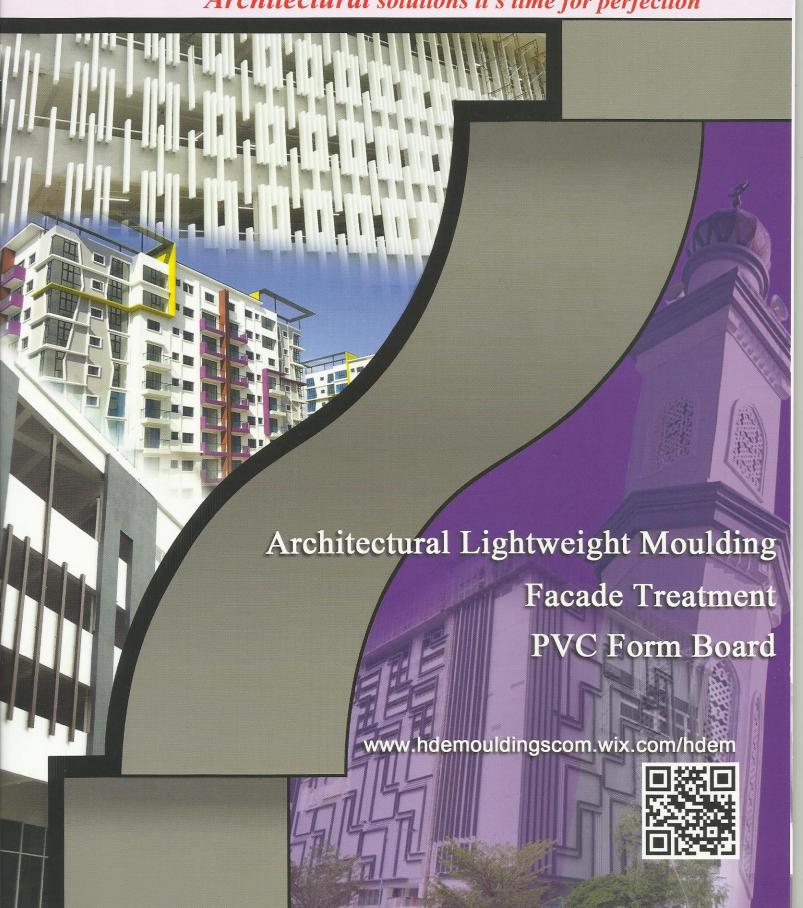
(Formerly known as)

HDE MOULDINGS (IP0276068-V)



FOAM IN FACADE SDN. BHD. (1209553-A)

Architectural solutions it's time for perfection





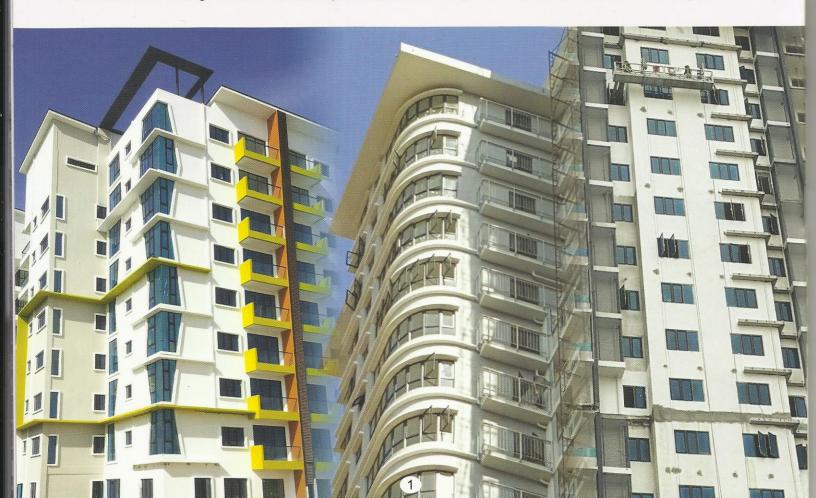
INTRODUCTION:

The History of Architectural Mouldings:

In ancient Greek and Roman architecture the mouldings was the uppermost part of the entablature.

Classical architecture Mouldings is the style of buildings and the built environment of Ancient Greece and Rome has shaped the way we build today. A raising of a building. Workmen were hired to construct the wooden scaffolding needed for hoisting stone blocks and sculpture, and to make the ceramic tiles for the roofs. Metalworkers were employed to make the metal fittings used for reinforcing the stone blocks and to fashion the necessary bronze accountrements for sculpted scenes on the frieze, metopes and pediments. Sculptors from the Greek mainland and abroad carved freestanding and relief sculpture for the eaves of the building. Painters were engaged to decorate sculptural and architectural elements with painted details.

In the modern year now had comes with the Architecture Western building design can be found throughout the world, in various forms including: Architraves, Trimming, Bands, Chords, Parapets, Circle, Keystones, Quoins, And many more....



OVER VIEW

HDE Mouldings was established in 2008, during its eight years history develop into Nationwide's leading in the design and manufacture of creative Architectural Mouldings. We manufacture a range of new and innovative construction materials that significantly reduce build time improve and reduce handling storage costs. To improve the way builders simplifying the entire process this innovative products is a modern day solution with achieving better workmanship, higher productivity and efficiency which only translate into cost savings.

HDE Mouldings specializes in the development and manufacture of unique lightweight architectural moulding systems. In our unique product range called lightweight polystyrene coping and lightweight concrete coping was introduced by the company which has evolved into an industry standard for high quality lightweight decorative finishing products.

HDE Mouldings is produced in our manufacturing facility in Selangor, Malaysia for distribution to our agencies throughout Nation.

Installations are handled in house or by approved sub-contractors depending on location.

The manufacturing facility is geared to handle the fabrication of large scale elements as well as high through put production.

New products ranges are constantly being developed and introduced into the market using various forms of lightweight fabrication from CNC cut forms, to any kinds of mold casting, and molded systems.

Our expertise in engineering designs from fast coupling to replacement of large concrete elements places the company in a unique position to offer solutions to a wide range of architectural challenges.

The company welcomes enquiries where the challenge is to design and manufacture lightweight, structurally systems with consistent high quality finishes.



The Elegance Of Architectural Lightweight Moulding

HDE Mouldings is a leader in the design and manufacture of Creative Architectural Mouldings, We manufacture a range of new and innovative construction materials that significantly reduce build time, improve and reduce handling and storage costs. To improve the way builders simplifying the entire process. This innovative product is a modern day solution. Specifying HDE Mouldings means achieving better workmanship together with higher productivity and efficiency which only translate into cost savings.

HDE ARCHITECTURAL LIGHTWEIGHT MOULDINGS

Gone are the days of heavy concrete mouldings that crack and require many workers for installation. Recent advancements to building design styles and construction methods have lead to the introduction of lightweight external mouldings. Using the latest technology, HDE Mouldings are able to give you any shape, size and design of your choice that are easily installed using adhesive. HDE Mouldings are lightweight and can help create the look of just about any architectural style or help in the restoration and conservation of historic buildings. Our mouldings enable you to decorate a contemporary or architecturally inspired building in a variety of themes such as Federtion, Traditional, Gothic, Georgian, neo-Classical or Modern .Furthermore, our coatings are of the highest standard and you can expect a finished product that is both elegant and professional.

Please refer to our Technical Information page for installations guidelines.

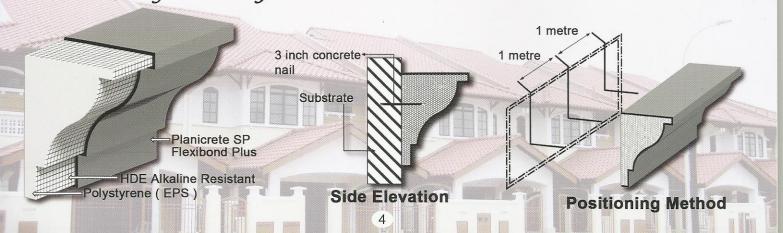
Here are some of the reasons why our mouldings are in a class of their own:

- 1. Straight lines
- 2. Matches render
- 3. Competative Priced
- 4. High efficiency and productivity.
- 5. Key advantages and Key benefits
- 6. Make to order for your special profile
- 7. Lightweight and Structural cost savings.
- 8. Excellent surface and Ready to paint. Normal skim coating or conventional render is eliminated.
- No Special equipment or tools required. Panels are easily sawn to any shape and size. Fixtures are fitted as normal.
- No special skill required for rapid and easy installation coupled with its tongue and groove joints for accuracy. This saves time and money.

Product Info Ad Specification

Product Name	HDE Lightweight Moulding	,,			
Composition	HDE Planicrete SP Flexib	ond			
	HDE Alkaline Resistance Mesh				
	EPS~Expanded Polystyrene Foam Sheet				
Properties		Standard / Re	f.		
Final Performance					
Resistance to humidity		Excellent			
Ageing resistance		Excellent			
Resistance to solvent		ii.			
and oil		Mediocre			
Resistance to acids					
and aklali		Fair			
Resistance to Temp.		From~30°C to	+ 90°C		
Flexibility		Limited			
Bonding Strengh			SIRIM Report:2010CB2834		
~after 28 Hours		1.6 N/mm²			
~after 7 days + 14 days at 60°C		1.8 N/mm ²			
∼after 7 days + 21 days in water		1.4 N/mm ²			
~after 25 days freeze - thaw cycles		1.4 N/mm²			
Flexural Strengh		6.6 N/mm²			
Compression Strengh		13.8 N/mm²			
Ready for Workan Traffic		After 1 ~ 2 day	/s		
HDE Alkaline Resistant Mesh		Unit	Spec.	Standard / Ref.	
Tensile Strengh	Warp	N/50mm	>570	ASTM D 579	
	Weft	N/50mm	>430		
	Weight	g/sq/ft	80		
	Mesh Size	mm	6 X 6		
	Weave		Leno		
	Finish	Corrosion Res	istance		
Expanded Insulated Polystyrene					
Minimum Bulk Density		kg/m³	16	EN ISO 84	
Resistance to sustain	ned				
2% after 50 years		kPa	20-30	ISO 785	
Building Material class	Building Material class		mmable	DIN 4102	

HDE Mouldings....the system



Certificate



CERTIFICATE



SIRIM QAS International hereby certifies that

YEE HUP FOAM & PACKAGING INDUSTRIES SDN. BHD. (INCLUDING YEE HUP MARKETING SDN. BHD.)
PT 538 (LOT 7878), PENEMPATAN BUKIT CHERAKA MUKIM BUKIT RAJA 40150 SHAH ALAM SELANGOR DARUL EHSAN MALAYSIA



has implemented a Quality Management System complying with

ISO 9001: 2008

QUALITY MANAGEMENT SYSTEMS - Requirements



Scope of Certification

MANUFACTURE OF EXPANDED POLYSTYRENE FOAM;
 TRADING OF PACKAGING MATERIALS.

- Net -



Issue date

: 13 April 2015

Validity period

: 17 April 2015 - 16 April 2018

Certification No.

: AR 4869

1 Chalidelfurtal

Tel: 60-3-5544 6434 Fox: 60-3-5544 6787

Khalidah Mustafa



TEST REPORT

REPORT NO: 2010CB2833

PAGE: 1 OF 3

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: HDE MOULDINGS No 21, Jalan Perpaduan 1/1, Taman Perpaduan, Lot 880, Jalan Subang 9, Taman Perindustrian Subang, Selangor Darui Ehsan

Manufacturer

Product

: Lightweight Coping

Reference Standard/
Method of test

Adopted to ISO 13445: 2003

Adhesive – Determination of shear strength of adhesive bond between rigid substrates by the block- shear method

Description of sample : Three (3) numbers of HDE Lightweight Coping (150 mm × 100 mm) bonded with adhesive on concrete cube (150 mm × 150 mm × 150 mm) were received for testing.

Model: HID240

Brand: HDE Lightweight Coping

Date received : 24th May 2011

Job no./Ref. no.

: J20111262833/SQAS/CCST/T.REC/CSL/01

1 3 JUN 2011

Approved Signatories

(HANON BASIR MOHD BASIR Senior Technical Executive

AJA NOR SIHA RAJA ABD. HANAN)
Head
Civil & Construction Section
Testing Services Department

TEST REPORT

REPORT NO.: 2011CB2833

PAGE: 2 OF 3

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TEST RESULT:

Brand Model Method of Test

Lightweight Coping
HDE Lightweight Coping
HD240
Adopted to ISO 13445: 2003
Adhesive – Determination of shear strength of adhesive bond
between rigid substrates by the block- shear method

Sample Reference	Load (kN)	Shear Strength (N/mm²)	
1	3.01		
2	1.88	0.13	
3	4.31	0.29	
Mear	1	0.21	



TEST REPORT

REPORT NO.: 2011CB22833

PAGE: 3 OF 3

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Photo 1: The samples of Lightweight Coping.





Certificate



sHRM QAS International Sdm.tlhd. (Company No.: 410334-X) No.1, Periatana Dato' Menteri, P.O.Box '7035, Section 2, 40700 Shah Alam, Selangar Darul Bham, Mataysia T-d. no. 05–5344353:55544584 Fas. no. 105-534635.

TEST REPORT

REPORT NO: 2010CB2834

PAGE: 1 OF 3

This Ton Report refers only to samples substitled by the applicant is SRM QAS international Sdn. Bild, and Issied by SRRIN QAS ferrorational Sdn. Bild. This sett report solds and be repireduced, except in 18 and belt between the earlier for several purposes by any assets or forms without written approved from Managing Director, SIRM QAS international Sin. Bild. Howeverfor everted for Conditions Relating for The Use of Tent Report.

Applicant

: HDE MOULDINGS No 21,Jalan Perpaduan 1/1, Taman Perpaduan, Lot 880,Jin Subang 9, Taman Perindustrian Subang, Selangor Darul Ehsan

: HDE MOULDINGS

: Lightweight Concrete

Reference Standard/ : Adopted to ISO 13445: 2003
Method of fest Adhesive – Determination of shear strength of adhesive bond between rigid substrates by the block-shear method

Description of sample : Three (3) numbers of HDE Lightweight Coping (150 mm × 100 mm) bonded with adhesive on concrete cube (150 mm × 150 mm × 150 mm) were received for testing,

Model: HD240(C)

Brand: HDE Lightweight Concrete

: 24th May 2011

Job no./Ref. no.

: J20111262834/SQAS/CCST/T.REC/CSL/01

Issued date

1 3 JUN 2011

(HANON BASIR MOHD BASINE Section Technical Executive Huyang (VS HAJA NOR SIHA RAJA ABD. HANAN)
Head
Civil & Construction Section
Testing Services Department

TEST REPORT

REPORT NO.: 2011CB2834

PAGE: 2 OF 3

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TEST RESULT:

Lightweight Concrete
HDE Lightweight Concrete
HDEAU(2)
Adopted to ISO 13445: 2003
Adhesive – Determination of shear strength of adhesive bond
between rigid substrates by the block-shear method

Sample Reference	Load (kN)	Shear Strength (N/mm²)	
1	3.60		
2 4.77		0.32	
3	6,22	0.41	
Mean		0.32	



TEST REPORT

PAGE: 3 OF 3

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Photo 1: The samples of Lightweight Concrete



Photo 2: Test set up



精豐工業有限公司 PROGRESSIVE FOAM INDUSTRIES SDN. BHD.

NO. 47, JALAN TIAJ 2/I, TAMAN INDUSTRI (LAM JAVA, 4220 BANDAR PINCAK ALAM, SELANGOR DARUL EHSAN.
Tel. 09-4038 2286 (Huming Line), 03-4038 6952 / 58 / 59 / 62 / 48 Fax: 03-4038 1862
E-mail: progressivednam88@gmail.com Website: http://biz.yellowpages.com.my/progressive/bam
Expandable Polystyrene Sheet

		al Properties				
 Wide Density Ranging from 12 to 50 l High Compressive Strength 	rg/m³		ermal Conductiv eter Intake	uy and Expansi	on	
	Table 1 : Ph	yrical Properti	08			
	Testing as 5	as Specified in Unit		Test !	Test Result	
Minimum Apparent Density	DIN 53 420	kg/m³	15	20	30	
Thermal Conductivity Measured Value at + 10 ° C	DIN 52 612	W/(m - k)	0.036 - 0.038	0.033 - 0.036	0.031 - 0.035	
Compressive Stress at 10% Compression	DIN 53 421	N/mm²	0.06 - 0.11	0.11 - 0.16	0.20 - 0.25	
Long-Term Compressive Stress at < 2% Compression	DIN 53 421	N/mm²	0.015 - 0.025	0.025 - 0.040	0.045 - 0.060	
Flexural Strength	DIN 53 423	N/mm ²	0.06 - 0.30	0.15 - 0.39	0.33 - 0.57	
Shear Strength	DIN 53 427	N/mm²	0.08 - 0.13	0.12 - 0.17	0.21 - 0.26	
Tensile Strength	DIN 53 430	N/mm²	0.11 - 0.29	0.17 - 0.35	0.30 - 0.48	
Modulus of Elasticity (Compressive Test)	DIN 53 294	N/mm ²	3.8 - 4.2	4.4 - 5.4	7.4 - 9.0	
Heat Distortion Temperature - Short-Term - Long-Term at 5000 N/m ² - Lone-Term at 20000 N/m ²	DIN 53 431 DIN 18 164 DIN 18 164	*c	100 80 - 85 75 - 80	100 30 - 85 80 - 85	100 80 - 85 80 - 35	
Thermal Coefficient of Linear Change		1/K	5 - 7.10'5	5 - 7.10 5	5-7.10-5	
Specific Heat Capacity	DIN 4108	J/(kg.K)	1210	1210	1210	
Water Absorption When Kept under Water (% by Volume) - for 7 Days - for 28 Days	DIN 53 434	% %	0.5 - 1.5 1.0 - 3.0	0.5 - 1.5 1.0 - 3.0	0.5 - 1.5 1.0 - 3.0	
Water Vapor Difusion Current Density	DIN 53 429	g/(m ² .d)	40	30	20	
Water Vapor Diffusion Resistance Coefficient	DIN 4108	1	20/50	30/70	40/100	

Table 2 : Chemical Properties	
Salt Solutions (Seawater)	+
Scaps and Wetting Agent Solutions	+
Bleaching Agents, such as Hypochloride, Chlorine Water, Hydrogen Peroxide Solutions	+
Dilute Acids	+
35% Hydrochloric Acid, Nitric Acid	+
Anhydrous Acids, for example: Furning Sulfuric Acid, Glacial Acetic Acid, 100% Formic Acid	
Sodium Hydroxide, Potassium Hydroxide, Ammonia Solution	+
Organic Solvents, such as: Acetone, Ethyl Acetate, Benzene, Kylene, Paint Thinner, Trichloroethylene	
Saturated Aliphatic Hydrocarbons, Surgical Spirit, Test Benzene	-
Parafin Oil, Vaseline	
Diesel Oil	-
Gasoline (Normal & Super)	
Alcohols, for example : Methanol, Ethanol	
Silicone Oil	+

Note: Resistant: Over Long Period Exposure

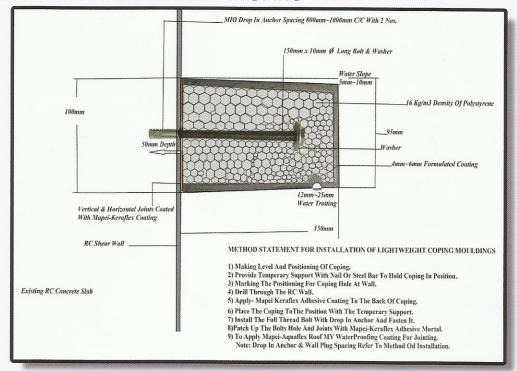
Conditionally Resistant: May Shrink or Suffer Attack to the Surface Over Long Period

Non-Resistant: Shrinks at a Greater Rate or is Dissolved

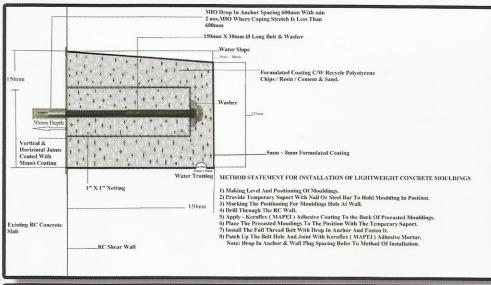
The information contained in this leaflet is based on our knowledge and experience as accurate and on the understanding that this data does not constitute any condition or warranty of sales. The properties may be affected by method of processing, applications, workmanship and other factors beyond our control. We retain the right to amend the properties without prior notice.

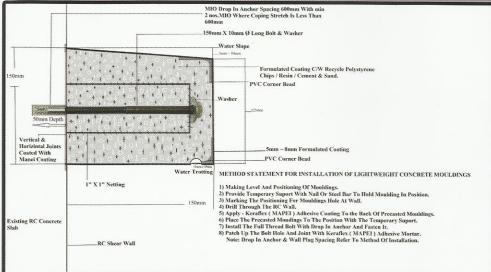
Method Statement

LIGHTWEIGHT POLYSTYRENE COPING



ECO LIGHTWEIGHT CONCRETE MOULDING





HDE-ECO-LIGHTWEIGHT CONCRERE COPING

Step 1



- 1. Substrate to receive HDE Mouldings are to be clean and free from dust.
- 2. Proper set out of Bolt thru Mouldings to concrete walls or concrete slabs and position walls or concrete slabs and position aligned is to be done as a guide prior to installation.

Step 2



1. After aligned and positioning drill holes to install Bolt drop in anchor Into concrete walls or concrete slabs.



- 1. Fomulated Planicrete SP Flexibond is prepared with the addition of cement.
- 2. The Fomulated adhesive is then spread thoroughly on the bonding surface of the moulding.
- 3. Slot in the Prepared Long Bolt and nust into the Mouldings.



- 1. Substrate to receive HDE Mouldings are to be clean and free from dust.
- 2. Proper set out of Bolt thru Mouldings to concrete walls or concrete slabs and position walls or concrete slabs and position aligned is to be done as a guide prior to installation.

Step 5



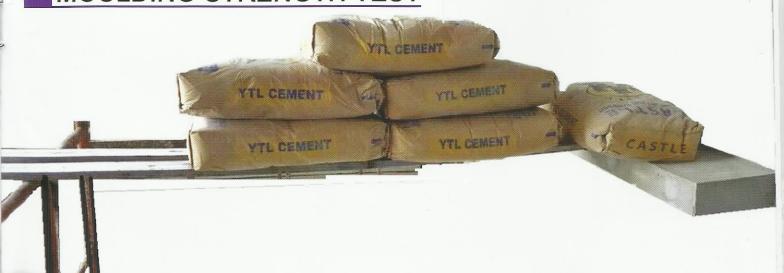
1. To tighten up the long Bolt to the wall anchor.

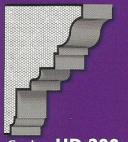




- 1. Excess adhesive should be removedwith a steel scrapper pr putty knife.
- 2. Smears should be removed with a wet cloth or wet aint brush.
- 3. Wash tools immediately with water upon completion.

MOULDING STRENGTH TEST





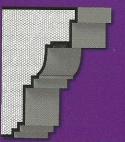
Code : **HD 200** Size : H270 x W195mm



Code: **HD 201** Size: H308 x W185mm



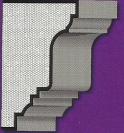
Code : **HD 202** Size : H255 x W140mm



Code : **HD 203** Size : H210 x W140mm



Code : **HD 204** Size : H228 x W160mm



Code: **HD 205** Size: H180 x W120mm



Code : **HD 206** Size : H210 x W104mm



Code : **HD 207** Size : H260 x W110mm



Code : **HD 208** Size : H255 x W80mm



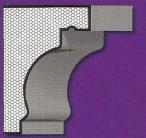
Code : **HD 209** Size : H198 x W94mm



Code : **HD 210** Size : H163 x W100mm



Code : **HD 211** Size : H170 x W65mm



Code : **HD 212** Size : H100 x W72mm



Code : **HD 213** Size : H97 x W50mm



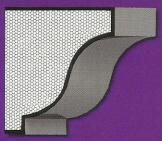
Code : **HD 214** Size : H128 x W56mm



Code : **HD 215** Size : H90 x W40mm



Code : **HD 216** Size : H97 x W37mm



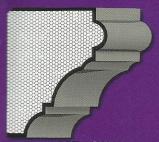
Code : **HD 217** Size : H85 x W72mm



Code : **HD 218** Size : H85 x W50mm



Code : **HD 219** Size : H140 x W39mm



Code: **HD 220** Size: H105 x W90mm



Code: HD 224 Size: H125 x W50mm



Code: **HD 225**



Code: **HD 222** Size: H130 x W115mm



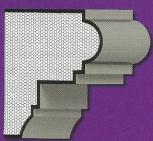
Code: **HD 223** Size: H100 x W50mm



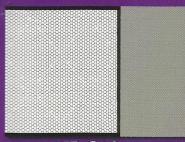
Size: H85 x W30mm



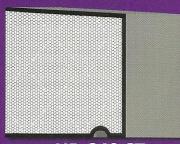
Code: **HD 229** Size: H125 x W80mm



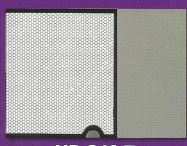
Code: **HD 235** Size: H130 x W113mm



Code: HD 240 Size: H100 x W100mm



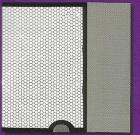
Code: **HD 240 ST** Size: H100 x W100mm,



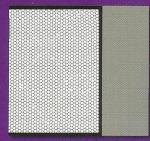
Code: **HD 240 T** Size: H100 x W100mm



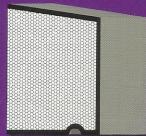
Code: **HD 241** Size: H75 x W50mm



Code: **HD 241 T** Size: H75 x W50mm



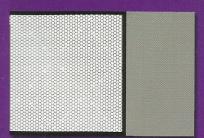
Code: **HD 242** Size: H100 x W75mm



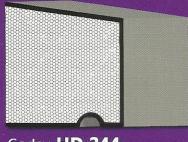
Code: **HD 242 ST** Size: H100 x W75mm



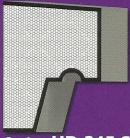
Code: **HD 243** Size: H100 x W50mm



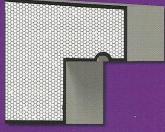
Code: **HD 244** Size: H75 x W75mm



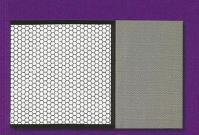
Code: **HD 244** Size: H75 x W75mm



Code: **HD 245 ST** Size: H100 x W75mm



Code: **HD 245 ST** Size: H100 x W100mm



Code : **HD 246** Size : H50 x W50mm



Code : **HD 247** Size : H100 x W25mm



Code : **HD 248** Size : H75 x W25mm



Code : **HD 249** Size : H130 x W40mm



Code : **HD 250** Size : H200 x W50mm



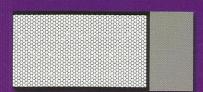
Code: **HD 251** Size: H150 x W100mm



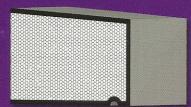
Code: **HD 252** Size: H150 x W100mm



Code: **HD 252 ST** Size: H150 x W100mr



Code: **HD 253** Size: H100 x W150mm



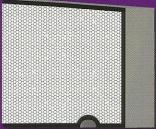
Code : **HD 253 ST** Size : H100 x W150mm



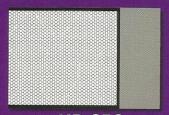
Code : **HD 254** Size : H100 x W200mm



Code : **HD 254 ST** Size : H100 x W200mr



Code : **HD 255 ST** Size : H150 x W150mm



Code: **HD 256** Size: H100 x W200mm



Code : **HD 257** Size : H100 x W300mm



Code : **HD 258** Size : H85 x W43mm



Code : **HD 259** Size : H90 x W50mm



Code : **HD 260 T** Size : H125 x W75mm

Lightweight Concrete Coping



Code: **HD 280 ST** Size: H100 x W100mm



Code: **HD 281** Size: H100 x W100mm

Available Sizes Cover With Slanting & Trotting Waterline

> Size: H100 x W100mm H100 x W150mm H100 x W200mm H150 x W150mm H150 x W200mm H100 x W250mm H100 x W300mm



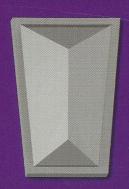
Code: KEYSTONEMedium Code: KEYSTONESmall Size: H220 x W185mm



Size: H75 x W300mm



Code: CIRCLE 600 Available in various profiles on



Code: **KEYSTONE**Large Size: H295 x W240mm







