



THERMOSET
MIDDLE EAST LLC



ELITE
GROUP OF COMPANIES

A member of Elite Group of Companies

EPDM Rubber profiles

Experts in Sealing Technology

Thermoset Middle East LLC is an ISO 9001:2008 certified manufacturer of premium quality EPDM Rubber gaskets for architectural, construction and industrial applications. The facility is located in Dubai Investment Park to produce an extensive range of rubber gaskets & profiles that offer long-time performance.

Thermoset Middle East is part of the Elite Group of Companies to add a further functional accessory to the aluminium production and complete its vast range.

We manufacture and offer a complementary product that is much more than an additional component. Our wide array of customized architectural sealing gaskets is designed to withstand the extreme climatic conditions in the Middle East.

We strive to deliver optimal polymer sealing solutions producing standard or custom-designed profiles for your convenience to be your trusted source for architectural, construction & industrial sealing products.





Modern Facility for a streaming production

Thermoset Middle East in-house capabilities include a fully equipped Rubber Extrusion line with an output capacity of 10,000 metric tons per year to serve the market.

The Plant makes use of German technology and advanced machineries to design, calibrate and manufacture polymer gaskets primarily for several sealing needs.

EPDM Rubber	Capacity MT/Year	Grades (Shore)	Color	Thickness range (mm)	Width range (mm)	Specification
Line no.1	10,000	50, 60 70, 80 Custom	Black (standard) Grey, Beige (on demand)	1 - 100	2 - 175	DIN 7863 ASTM C-864 BS 4255 BS 3734 (Class E1)

Production Process

We have Cold Feed Extrusion with LCM Vulcanization (Liquid Cure Medium) Line to create quality Peroxide Cure EPDM Profiles that offer better compression set performance at higher temperatures and provide stability for building and industrial applications.

Our LCM line can manufacture products which comply with various standards such as DIN-7863, BS-4255 and ASTM C-864 just to name a few. The line is equipped with Sprinkler Unit for curing delicate shapes as well. This line is pollution free & therefore clean & environmentally friendly.

Design Centre and Design Protection

Design inputs for any enquiry include:

- Hand Sketch of gasket/profile
- Auto Cad Drawing
- Assembly Drawing of the Window / Door / CW / etc.
- Cut pieces of the Window / Door / CW / etc.
- Image of Cross Section of the Profile in any form

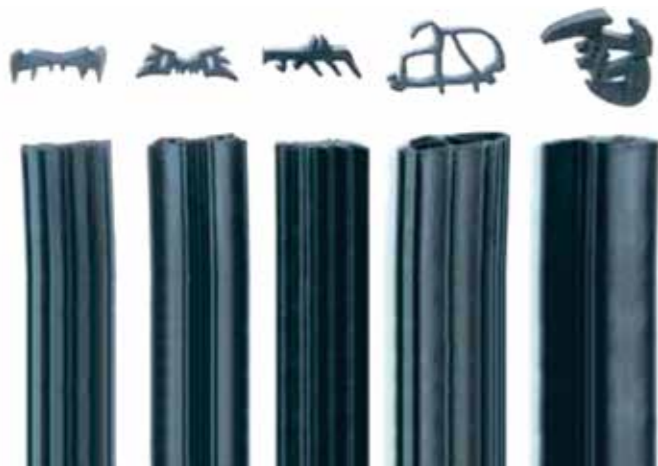
The custom-made profile will not be disclosed or sold to any other customers, as these are created exclusively for you.

Die Fabrication Unit

Our full-fledged design and development facility can fabricate an assortment of dies in-house as we have installed state-of-the-art machinery. With the aid of these high-speed processing machines, our team of talented designers can effortlessly deliver cost-efficient custom seals and gaskets to meet your exact requirements at the shortest possible time.

Die Fabrication machines installed are:

- CNC Wire Cut Machine
- Precision Turning & Drilling Machines
- Other Conventional Machines



Range of products and applications

All our premier EPDM gaskets and polymer products are engineered to deliver optimal performance and meet the harsh environmental and tough operational condition of the Middle East.

Product range includes the following:

- EPDM, Neoprene, Silicone, Rubber dense/solid profiles
- Fire Rated EPDM rubber gasket as per standard EN 455 45-2
- Silicone compatible EPDM rubber gaskets.
- Rubber setting blocks, expansion joint and moulded corner, vulcanized frame gasket.
- Rubber sponge profiles.
- Rubber Fenders & Other Rubber Extruded & co-extruded items.
- Rubber Sheets/water proofing membrane.

Hardness Grades Available

- 50±5 Shore A
- 60±5 Shore A
- 70±5 Shore A
- 80±5 Shore A
- Customized

Colour Available

- Black
- Grey, Beige or special colours on prior request

Applications

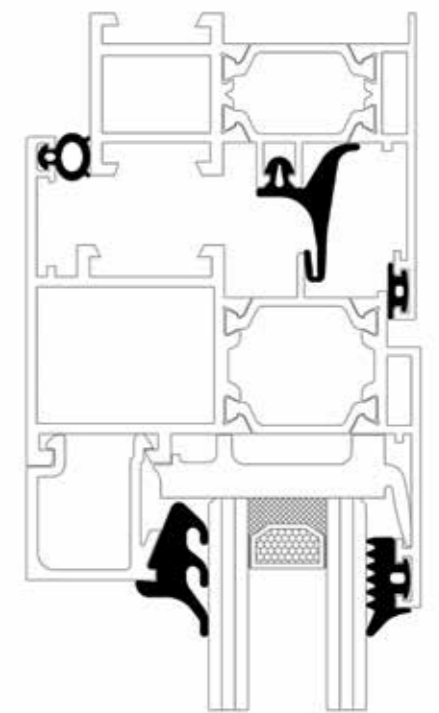
As part of Elite Group and being expert in strong sealing applications for various sectors, we are highly specialized in sealing protection for products such as extruded aluminium section & glazing systems. Below are different sphere of application:

Architectural

- Aluminium & Glass / Wood / PVC: Window Systems
- Thermal Break & Conventional Systems
- Curtain Walls
- Structural Glazing
- Sliding Windows
- Casement Windows
- Tilt & Turn Windows
- Doors
- Facades

Industrial Applications

- Sealing and gasket
- Cushioning
- Damping vibrations
- Soundproofing



Material Specifications DIN7863:1983

Material Property	Unit	Requirement for Type			
		A	B	C	D
1. Hardness	IRHD	50	60	70	80
2. Hardness Tolerance	IRHD				
3. Tensile Strength (min.)	N/mm ²	7.5	7.5	7.5	7.5
4. Elongation at Break (min.)	%	300	200	200	150
5. Compression Set at 100°C (max.)	%	35	35	35	35
6. Compression Set at -25°C (max.)	%	60	70	80	90
7. Behaviour Following Accelerated Aging					
a) Change in Hardness	IRHD	+ 15 -5	+ 15 -5	+ 10 -5	+ 10 -5
b) Change in Tensile Strength	%	-25	-25	-25	-25
c) Change in Elongation at Break	%	-50	-50	-50	-50
8. Change in Hardness following low Temp. Storage	IRHD	+10	+10	+10	+10
9. Resistance to ozone	-	No Cracks	No Cracks	No Cracks	No Cracks

Remarks: TME follow all other international standards like BS-4255, ASTM C-864, etc as per projects specification.

Extrusion Dimensional Tolerances

Nominal Dimension mm		Tolerance Class E1 (+/-)
Above	Up to & including	
0	1.5	0.15
1.5	2.5	0.20
2.5	4.0	0.25
4.0	6.3	0.35
6.3	10	0.40
10	16	0.50
16	25	0.70
25	40	0.80
40	63	1.00
63	100	1.30

Sealed Quality

To guarantee consistency in quality for every meter produced, we adhere to stringent quality checks at all stages, be it material incoming, material storage, online inspection, final inspection & shipping inspection. We're compliant with International Quality Standard certified by ISO 9001:2008 and on the process to update it to the latest version 9001:2015.

Quality consistency is maintained for all our rubber compound properties as we strictly comply with German Standard (DIN-7863) for the manufacture of elastomer gaskets for use in windows and facade construction. Dimensions are maintained as per BS 3734 and gaskets are compatible with silicone sealants.

Our polymer compound can also be formulated to meet various other standards like ASTM C-864, BS-4255, etc. or as per the project requirements.

Certificate

Standard ISO 9001:2008
Certificate Registr. No. 01 100 1622570

Certificate Holder: 
Thermoset Middle East L.L.C.
P.O. Box - 118157, Dubai,
United Arab Emirates.

Scope: Manufacture and Supply of Rubber Products for Architectural and Industrial Applications

Proof has been furnished by means of an audit that the requirements of ISO 9001:2008 are met.

Validity: The certificate is valid from 2016-08-31 until 2018-09-14.
First certification 2010


2016-08-31
TUV Rheinland Cert GmbH
An Grauen Stein 51105 Köln




www.tuv.com



Ready to serve

We deliver optimal sealing solutions with our versatility, experience and extensive capabilities. Our standard packing is listed below:

- Corrugated Box 57x57x20 cm
- Roll Size: any size from 25 – 500 mtr as per customer requirement
- Approx. 400 box in a standard dry 20' container



ELITE EXTRUSION LLC



NATIONAL ALUMINIUM EXTRUSION LLC



AL HAMAD INDUSTRIAL CO. LLC



ALUMILL TECH GULF LLC



THERMOSET



**GLOBAL PIONEER
ALUMINIUM INDUSTRIES LLC**



**JORDAN
ALUMINIUM EXTRUSION**

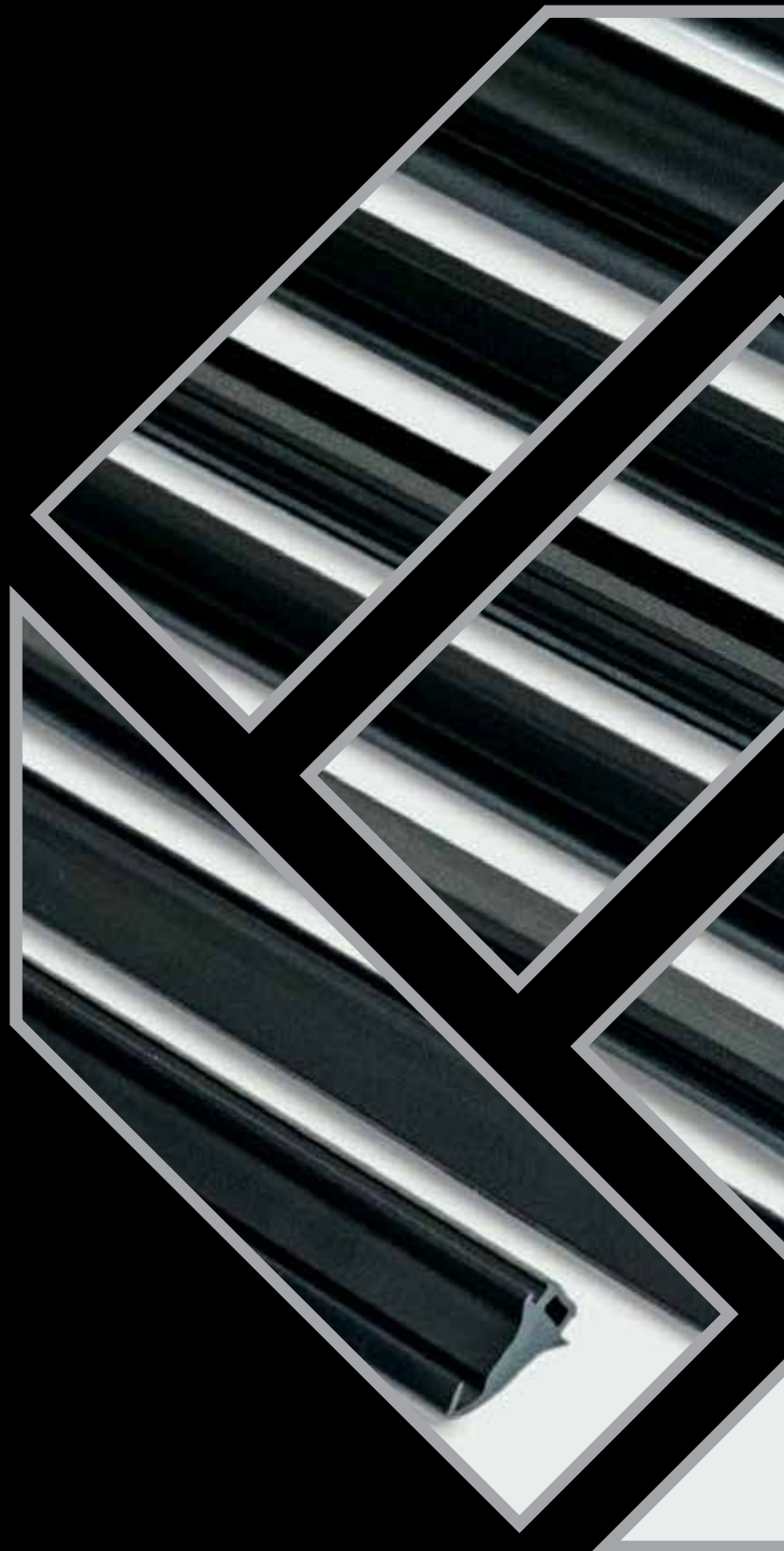


UNITED POWDER COATING FZC

GLOBAL DIES



Empowering Aluminium



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