ORPL ES99-R

Facade & Cladding Sealing System

OSAKA® rubber pvt. ltd.

Providing Sealing Solutions

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Osaka Group was established in the Year 1981 and has been at the forefront of business activity for the last 38 years. Osaka Rubber manufacturers EPDM Rubber Profile and caters to the sealing products requirements of the Following industries: Automobiles, Constructions, Bus Body Builders, Aluminium Fabricators, Shipping, Railways, Engineering, and Insulated Glass Units etc. In the year 1995, the Company diversified in the manufacture of Butyl Sealants Tapes, Mastic Tapes, Vacuum Bag Tapes / Tacky Tapes which, in fact, its major product line today with emphasis on Quality and Technical Developments.

ORPL ES99-R Strips is a single-ply sealing system, a preferred choice for facade and other sealing applications. These strips have a rough texture on both sides and are talc-free which makes them easy to adhere to any surface and create a perfect wind, moisture and waterproof structure.

ORPL ES99-R Strips are specially designed to bond well with adhesives. Our ES99-R sealing system can adhere to any surface and provide an all-round protection for your structure. High on flexibility, great on UV & ozone resistance, these strips have a long life and are installed without torching which makes it very easy to apply without use of special tools.

KEY FEATURE & BENEFITS

- PROVIDES A WATERPROOF & AIRTIGHT SEAL IN BUILDING FACADES
- HIGHLY RESISTANT TO MECHANICAL DAMAGE
- FLEXIBLE, ROBUST & EASY TO INSTALL
- EXCELLENT WEATHERING, AGEING & UV RESISTANCE
- LOW LIFE CYCLE COST
- SUPERIOR DURABILITY
- EXCELLENT WATER VAPOUR BARRIER
- RECYCLABLE

ORPL EPDM FACADE MEMBRANE

An elastomeric waterproofing strip based on EPDM based rubber polymer with a low water vapour transmission factor. The product comes in black colour and has a surface texture on both sides for maximum adhesion.

AVAILABLE IN

- Thickness: 0.5mm to 3mm
- Standard length: 20 Mtrs / 30 Mtrs Rolls
- Width: 100mm to 1200mm
- * Customisation available

ORPL MEMBRANE WITH BUTYL COATING

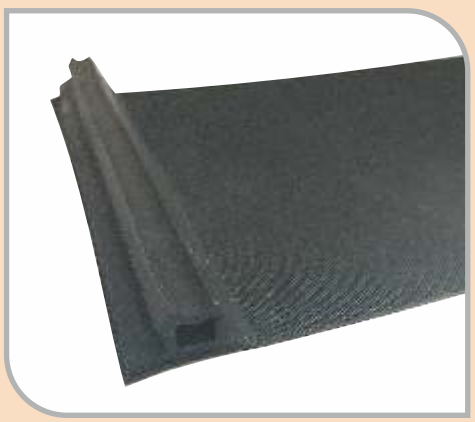
Butyl Strip is designed for bonding EPDM to non-porous surfaces only. Typically this is used in factory applications of EPDM to frames and where minimal bond area is required. The butyl strip option offers a huge time-saving opportunity when applying EPDM on site or in the factory because an accurate linear meterage of material can be calculated.

ORPL EPDM FACADE MEMBRANE WITH BUTYL BACK

EPDM Facade Membrane with addition of a self-adhering butyl back for easy and clean application.

AVAILABLE IN

- Thickness: 0.5mm to 3mm
- Coating Thickness: 0.2mm & 0.5mm
- Standard length: 20 Mtrs & 30 Mtrs Rolls
- Size: 1.2mtr *20 Mtrs / 30 Mtrs Rolls
- Butyl edge can also be done on one or both sides
- * Customisation available



ORPL EPDM FAÇADE MEMBRANE WITH PROFILE EDGE

EPDM Gaskets come in a variety of designs depending on the physical parameters. The ORPL EPDM Membrane with gasket has an extruded strip along one edge and or opposite sides, allowing the membrane to be clipped into a groove on the profile. ORPL EPDM with Gasket offers many different varieties that suit well-known façade systems so that the gasket can be easily clipped into the outer frame. EPDM gasket offers huge time-saving opportunities on-site or in factories as it eliminates the need for adhesive to bond to the frame.

FACADE SPECIFICATIONS

Technical Data Sheet (TDS) for ORPL ES99-R

No.	Required	ASTM Standard		Grade ES99-R
		Test Method	Required	
1	Thicknesses Available (mm)	ASTM D-412	± 0.15	1 / 1.2 mm 1.5 / 2 mm
2	Tensile Strength (MPA)	ASTM D-412	9 (Min)	9.8
3	Elongation @ Break (%)	ASTM D-412	300 (Min)	380
4	Angular Tear (kN/m)	ASTM D-624	26.27 Min	29
5	Temperature Resistance (°C)	-	-40 to +130	-40 to 145
6	Tensile Set (%)	ASTM D-412	10 Max	8
7	Brittleness Point Max (°C)	ASTM D-2137	(-45)	-48
8	Ozone Resistance	ASTM D-1149	No Cracks	No Cracks
9	Heat Aging	ASTM D-573		
	Change in Tensile (MPA)	ASTM D-412	8.30 Min	8.5
	Change in Elongation (%)	ASTM D-412	200 Min	285
	Change in Angular Tear (kN/m)	ASTM D-624	21.9 Min	24
	Change in Dimensions (%)	ASTM D-1204	±1	+0.2
10	Water Absorbtion	ASTM D-471	+8,-2	+6
11	Puncture Resistance (Kgs)	ASTM D-5602	32	34
12	Specific Gravity	ASTM D-297	1.25	1.25
13	UV & Weather Resistance	ASTM G 155	No Cracks	No Cracks

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