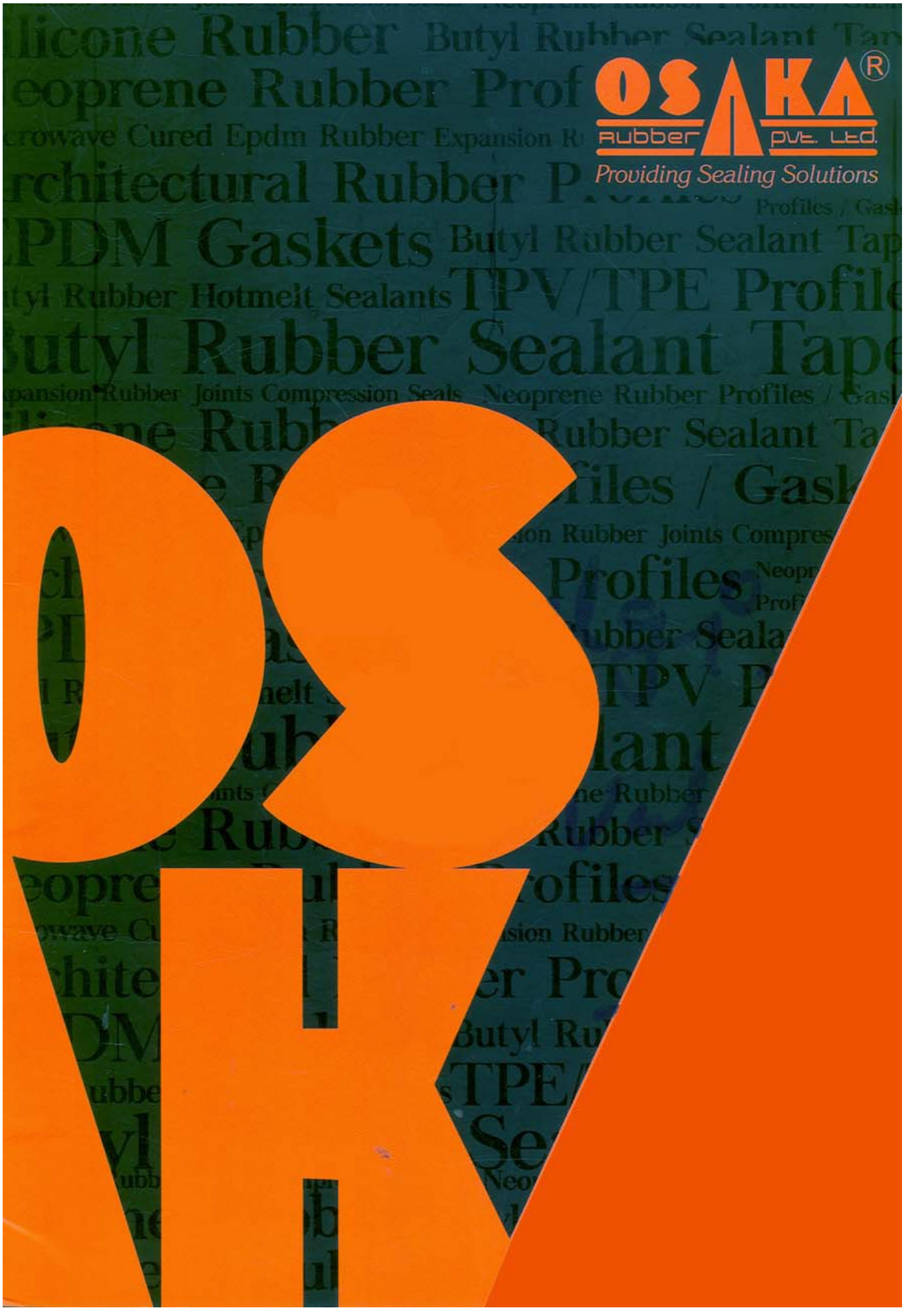

OSAKA®
rubber pvt. ltd.
Providing Sealing Solutions

History

A STRONG COMMITMENT SEALED OUR DESTINY

Rubber component have been the mainstay of our business ever since it was set up in the year 1981 - **OSAKA** was an established brand since then - manufacturing and exporting EPDM Rubber profile products for sealing applications used in a wide range of industries as Automobiles, Constructions, Aluminum Fabricators, Shipping, Railways and Glass insulating units. In addition to EPDM the rubber profile produce are manufactured using 'various other Synthetic Rubbers, as per Clients' requirements and specifications.

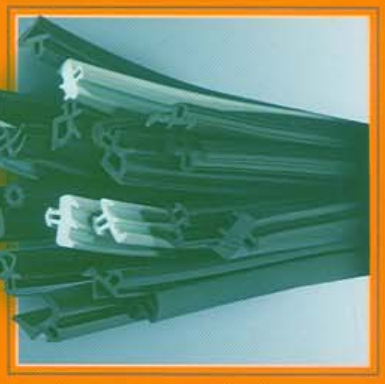
The year 1995 saw the company enter a new phase with the manufacturing of new generation products as Butyl Sealant Tapes, Vacuum Bag Tapes / Tacky Tapes and Mastic Tapes, while these products added to the product range, they also widened the scope of applications, which extended to Telecommunications, Roofing, Composite Products, Cable Jointing Kits, Wind Turbine Energy and White Goods as in Refrigerators and Air Conditioners that in turn broadened our markets. There on, the company even qualified to be an Original Equipment Supplier to a host of Automobile Companies.

2005 was the year of Consolidation - **OSAKA RUBBER PVT. LTD.** emerged with the vast experience and a proven track record, it also marked the beginning of a State-of-the-Art Manufacturing facility at Palghar (East) in Thane District. Under the re-engineered manufacturing and management, ORPL manufactures Extruded and Moulded Rubber products, in addition to the Butyl Sealant Tape products at the same plant. The consolidation of the company include a strong R&D, a Nationwide Distribution network, a highly responsive after sales support and technical services; lastly, strong commitment for International standards and Quality.

BRIEF NOTE

EPDM, BUTYL Sealants, Neoprene, TPV/TPE, Silicone, Applications Universe

EPDM Rubber is the most preferred material the world over. A Thermoset Elastomer it is amenable to many processes and when vulcanized offers excellent physical properties such as compression set resistance, resistant to cracking, good UV stability, greater flexibility even at lower temperatures, and in addition it is also resistant to steam and moisture. ORPL is a large importer of EPDM Rubber and are abreast of the latest developments in Rubber compounds and their relevant applications. EPDM assumes unmatched versatility and finds usage in a number of Industry-specific requirements. EPDM by far is the lightest rubber in comparison to other types of Rubber. Thus, its final product is longer in length (meter) per unit weight This characteristic helps increase its spectrum of applications greatly.



BUTYL RUBBER SEALANT TAPES

These are pressure induced sealing strips with strong adhesion capability, they are applied to a wide spectrum of surfaces as metals, glass and various other materials that make up for high-end applications frame Telecommunications to Windmill turbines. Their total sealing strength is useful in soundproofing (dampening) and complete prevention of dust, moisture and air that could be harmful to sensitive components. Apart from being impermeable to gases and vapour, the sealants are resistant to heat, oxygen, ozone, sunlight and equally resistant to diverse range of chemicals. The Butyl Tapes are of the non-vulcanized variety with properties as non-shrinking, non- straining and remaining unaffected by long contact with all of the metals, nor do they harden up over a long time. Their excellent Dielectric insulation and temperature resistant qualities, to both cold and hot, see them largely used in harsh environment.

NEOPRENE RUBBER

Neoprene Rubber is popular for its resistance to chemicals, abrasions, flex cracking and to a variety of other conditions and substances as acids, alkalis, ozone and weather. While Neoprene rubber products have moderate resistance to oil and petrol, they have good resistance to flames, an inherent characteristic of Neoprene Rubber. The profiles and gaskets from Neoprene Rubber strongly adhere to fabrics and metals. They find good use in Automotive, Industrial, construction and many other areas that are exposed to extreme conditions.

SILICONE RUBBER PRODUCTS

Silicone Rubber have a temperature resistance ability through an enormous range, from sub-Zero to extreme wish, to be more precise from -100° C to 300° C. Even at these extreme temperatures, it retains its characteristics; flexibility at lower temperatures and tensile strength at higher temperatures, though its overall tensile strength is relatively moderate, it makes up for it with its other features as offering good electric insulation, resistant to degradation by the effects of weather, ozone, sunlight and oxidation. Moreover, with its superior colour stability, it is a naturally preferred Elastomer for diverse applications, as much as in diverse environments. Silicone Rubber extruded products can be obtained in both solid and sponge characteristics on multiple extrusion lines.

APPLICATIONS UNIVERSE OF OUR PRODUCT RANGE

Architectural Building Products. Door and Window. Automotive Industries. Roofing. Windmills. White Goods (Domestic Appliances), Engineering, Double Glass & Insulating Glass Unit. HVAC Systems, Building Construction, Telecommunication (D.O.T), Cable Jointing kite, Composites parts for Vacuum Bagging, Bus body Builders, Railways, Infrastructure. Such as High-ways, Airports etc.

PRODUCT
PORTFOLIO
EPDM, BUTYL, NEOPRENE & SILICONE

AUTOMOBILE PROFILES

Ensure airtight sealing of every nook and cranny of the Automobile (Bus or smaller vehicles) exterior and interior design profile. The EPDM Rubber profiles are very resistant to ambient temperatures, extreme climatic conditions and vibrations. They do not harden with time and therefore maintain good grip eg. with window glass. Due to its excellent resistance to weathering do not develop cracks.

ARCHITECTURAL PROFILES

Provide for compact grip of glass panes within the aluminum and UPVC Doors & Windows frames in new age building construction, the sealing profiles keep out dust, wind and water entirely. Long exposure to harsh climatic conditions has no impact on it and remains just as intact.

CONTAINER SEALS

The ones that maintain an airtight environment in huge shipping containers to preserve the contents during long journeys. The seals effectively prevent air, moisture and dust from entering the containers after closed shut.

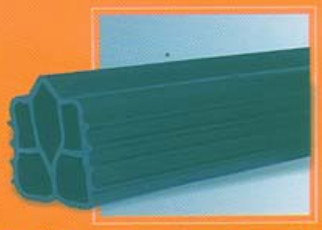
MOULDED COMPONENTS

Products are custom made to the specifications of a host of Industries as Automobiles, White goods as in Refrigerators, Air-conditioners, washing machines, Engineering products and many more...

SPONGE RUBBER PROFILES

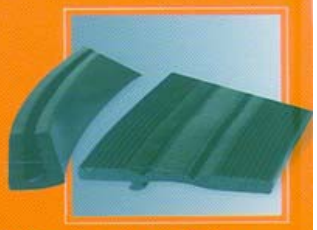
Go to work in a wide range of applications and they can be made of EPDM, Neoprene or Silicone. As the name suggests, these profiles are cellular and possess high compressibility and shock absorption. They are produced by way of moulding or extrusion with varying degrees of softness as best suited for the various closing pressure requirements.

EXPANSION JOINTS COMPRESSION SEALS



Expansion Joints Compression Seals Particularly of great help in concrete structures. As required of structural engineering, certain gaps and grooves are allowed between concrete sections to cope with the extreme compressive stresses that concrete structures are subjected to for a host of causes as seismic activity and other physical forces. These grooves are filled with adequate sealing material to perform as waterproofing and to preserve the structural integrity of any construction. OSAKA delivers compression seals in EPDM and NEOPRENE along with color options to match the exterior or interior of a construction. The Expansion joints' sealing requirements can be met in infinite lengths, cost-effective and easy-to-install fashion.

RUBBER GASKET FOR SOLAR THIN FILM PV MODULES



ORPL EPDM Rubber insulators is widely used in Solar Industries for Laminated Thin Film PV Modules. It is used as a bracket for laminate modules in the insertion rail. The Rubber profile is placed inside the aluminium Clamp and than clamp is placed on the edge of the PV modules. Further the clamp is pushed into the inserting rail. This EPDM Rubber is produced through top of the line UHF (Microwave) Extrusion Systems with a very stringent quality control. Our EPDM rubber insulators for solar PV modules comes with a Guarantee of 20 years.

CO-EXTRUDED RUBBER PROFILES

Osaka- Solid and Sponge Rubber Gaskets with a flexible steel spine is the most common and by far the most important application of the EPDM based sealing system in automobile. These seals are dynamic and also called as Door Seals. It is used to seal the door flange firmly to avoid dust, water & air to leak inside.This seals are also very important as far as aesthetics is concerned. It takes care of the door & Body flange panel variations and gives a smooth look from outside.

TPV/TPE PROFILES

TPV is a blend of EPDM and Polypropylene combining the excellent resistance and flexibility characteristics of vulcanized rubber with the processing ease of thermoplastics. TPV blends provide outstanding resistance to ozone, heat, weathering and various chemicals. Thermoplastic elastomers (TPE) can be either copolymers or a physical mix of polymers (usually a plastic and a rubber) that combine thermoplastic and elastomeric properties, i.e. the advantages of rubbery and plastic qualities in a single material.

AT OSAKA

BETTER PROCESSES FOR BETTER PRODUCTIVITY

MICROWAVE CURING SYSTEM

AN ADVANCED CURING SYSTEM

At OSAKA, we have always embraced new technology for the betterment of products and ultimately the continuous improvement of our services to our customers. At the manufacturing facility, an advanced curing system is already in operation — it is the 'Microwave Curing System'.

A curing process that is much superior to the conventional **'Auto clave System'**. It is used specially for 'Microwave cured EPDM Profiles' that tells on the products with several advantages. Very few companies have installed this curing process. OSAKA has the capability to manufacture standard and custom-specific products and profiles. The company has evolved procedures to control costs and provide faster deliveries by undertaking prototype design processes in-house, including the fabrication of moulds and specific tools. The duplication of customer product or sample is proficiently achieved. Versatility and finds usage in a number of Industry-specific requirements. EPDM by far is the lightest rubber in comparison to other types of Rubber. Thus, its final product is longer in length (meter) per unit weight. This characteristic helps increase its spectrum of applications greatly.

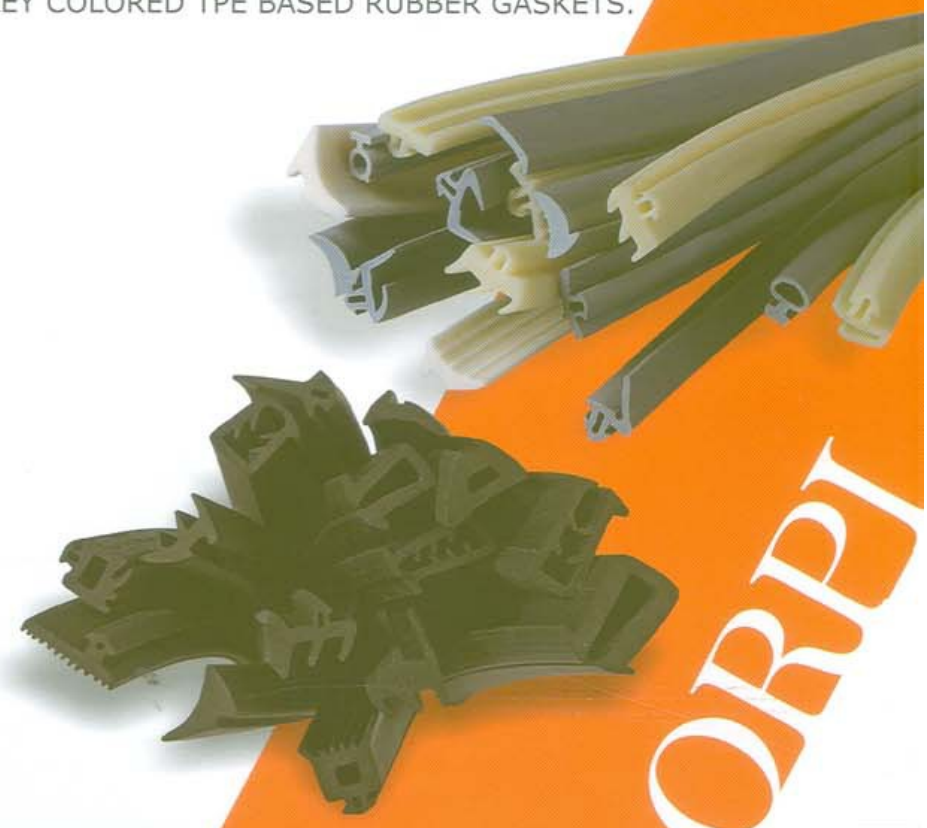
ADVANTAGES OF 'MICROWAVE CURING SYSTEM

- Ability to produce continuous Rubber Strips
- Marked Reduction in equipment and labor inputs to handle product
- Elimination of the need for lubrication on shapes
- Tightens dimensional tolerances
- Better Appearance of Products (surface finish sharp edges / corners of the Product)

ADVANTAGES OF OSAKA

EPDM RUBBER GASKETS

- EPDM RUBBER IS KNOWN FOR ITS OUTSTANDING RESISTANCE TO WEATHERING, OZONE, UV RADIATION, AGEING AND WIDE RANGE OF TEMPERATURE FROM - 60 DEG. TO + 120 DEG. C.
- ADDITIONALLY IT ALSO OFFERS EXCELLENT SEALING PROPERTIES HELPING MINIMIZING OUTSIDE NOISE, DUST AND EFFICIENT WORKING OF AIR-CONDITIONING (ENERGY SAVING)
- DUE TO ABOVE UNIQUE PROPERTIES EPDM RUBBER HAS BEEN MATERIAL OF FIRST CHOICE BY WINDOW PRODUCERS AND OTHER INDUSTRIES FOR THE PAST SEVERAL DECADES.
- OSAKA RUBBER GASKETS ARE PRODUCED FROM CAREFULLY SELECTED EPDM GRADES SUPPLIED BY WORLD'S REPUTED MANUFACTURERS' TO MEET CUSTOMERS' SPECIFIC REQUIREMENTS.
- OSAKA RUBBER HAS ALSO RECENTLY INTRODUCED ECO – FRIENDLY GREY COLORED TPE BASED RUBBER GASKETS.



ORPI

BUTYL

SEALANTS

BUTYL / BITUMEN FLASH STRIP®

Composite sealing tapes of waterproof Aluminum strip and a layer of strong adhesive. The tapes are easy to apply, the adhesive side protected with a release paper strip. Flast strip® is a simple yet highly effective solution for waterproofing, sealing and insulation in a host of areas as in repairs of roofs in Industrial\Residential Buildings (concrete, asbestos, glass etc.), pipes, cables and many other appliances.

VACUUM BAG TAPE / TACKY TAPE®

Rubber based adhesive tapes that are used to seal the edges of vacuum bags to get rid of moisture and air in composite parts. The tapes peel off easily after completion of the vacuum process and remain intact until such time when they have to be removed. The tapes seal the bags to aluminum, steel and fibreglass surfaces, withstanding temperatures in excess of 180°C and yet remain pliable and soft.

ROOFING TAPE®

Butyl Rubber based adhesive tapes that are excellent binding agents of Roofing and Building materials, that too across a wide variety, as concrete, metal, asbestos, wood, plastic, fibreglass and textiles.

MASTIC TAPE®

Excellent insulating material used in cable jointing that help in preventing metal corrosion. The tapes even provide good thermal insulation and are equally resistant to water, moisture and harsh climatic conditions.

DOOR FOIL SEALANT TAPE

Specifically used in the door structures of automobiles to prevent intrusion of moisture, dust and water. The tapes have dimensional (contour) stability and also help in reducing vibrations.

MANAGEMENT & QUALITY

360 - Degree Control Of Products, Services and Innovations & The Final Word

The Management mantra of ORPL is to have a holistic approach to all aspects of the business. An experienced team at the helm infuses a total sense of professionalism. Therefore, while the R&D team works towards further improvement and innovations, the Marketing and procurement teams provide valuable information and insights, which are factored in the R& D trials. The trials are thoroughly documented for future reference. As for services, we are at the disposal of Clients for any after sales and technical assistance. We encourage feedbacks from Clients and accept suggestions, as we believe there is always room for improvement and more innovations.

QUALITY
THE FINAL WORD

ORPL is the recipient of the ISO 9001-2008 certification for processes and products. The certification is testimony to the state-of-the-Art Manufacturing plant as also for the stringent Quality control measures and equipments to carry out the procedures. To name a few they are Tensile strength testing, Rheometer, Profile projector and climate control Hot air oven. From raw material procurement to finished products, the rhythm of stringency is never slackening.

By that virtue,
our products possess some very distinct and key properties:

- Withstands the onslaught of weather, chemicals and oils.
- Dimensional accuracy and integrity.
- High-grade Finish and durability.
- Synthetic fibre reinforcement results in greater strength and longer usage.
- Highly resistant to Cold and Hot temperature fluctuations.

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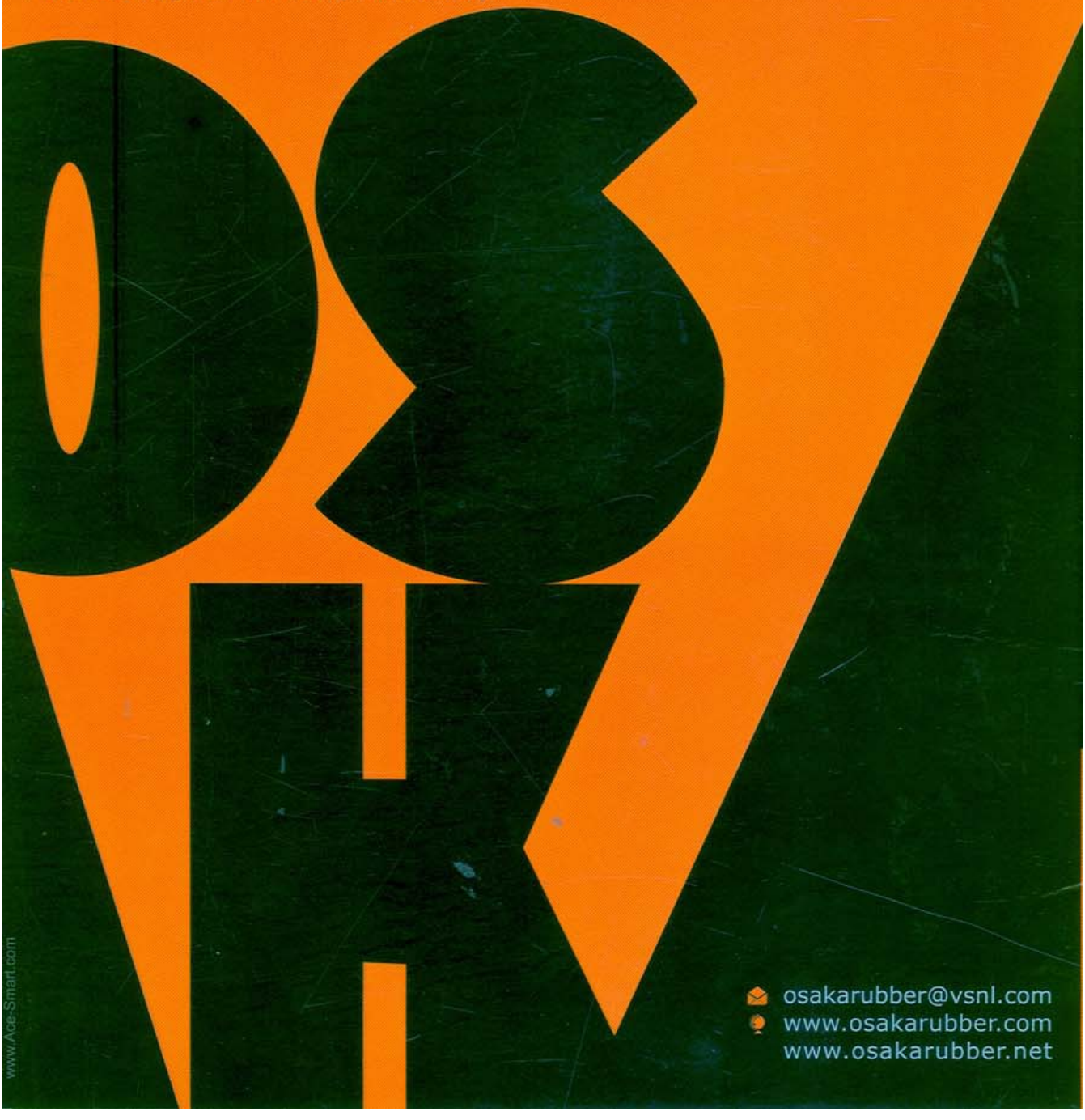
Village-Veoor, Taluka - Palghar (East)
District : Palghar - 401 404 (Maharashtra)

Factory Address (Unit -II)
Plot No: 15, Survey No. 38/1
Village-Veoor, Taluka - Palghar (East)
District : Palghar - 401 404 (Maharashtra)



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