

# VESCONITE

Plates & Slabs



**SELF-LUBRICATING**  
**LOW FRICTION**  
**HARD WEARING**  
**EXTENDED LIFE**  
**REDUCED NOISE**



**SELF-LUBRICATING MACHINED PLATES**

[www.vesconite.com](http://www.vesconite.com)



# LOW-FRICTION, LOW-WEAR **SLIDES & WEAR PARTS**

Vesconite plates, ranging in thickness from 2 to 150 mm, are proving increasingly popular and versatile for low-friction low-wear slides, wear parts and bearings. Machined to close tolerances, Vesconite plates enable clients to use the thickness as supplied without expensive operations.



## **FIRST CHOICE FOR :**



- **Slides and guides**
- **Vanes – air motors & petrol, rotary and gas pumps**
- **Machine tool bedways & slideways**
- **Camblocks**
- **Sliding and wear parts**

### **EXTENDED WEAR LIFE**

Vesconite gives long life when operating in dirty conditions, unlubricated or lubricated applications, or immersed in water and many other fluids.

### **ADVANCED MATERIAL**

Vesconite is an advanced engineering material with a combination of properties specially formulated for low-friction long-life bearing applications.

### **HIGH LOAD STRENGTH**

Vesconite combines a load-bearing capacity greater than that of white metal, with self-lubricating properties better than nylon, while giving up to 10 times longer life than phosphor bronze.

# BEARING APPLICATIONS

Vesconite plates can be used to produce large bearing surfaces economically either by bending plates, as cylindrical bearing inserts or stave type inserts.



## STOCK RANGE

Vesconite and Vesconite Hilube plates are produced in a wide range of sizes and machined to the stated thickness.

- 1,000 x 200 mm (39" x 8") from 2 to 100 mm (0.08" to 4") thick
- 1,000 x 600 mm (39" x 24") from 10 to 150 mm (0.39" to 6") thick
- 1,000 x 1,000 mm (39" x 39") of 25 mm & 40 mm (1" & 1.5") thick
- 500 x 400 mm (19½" x 15¾") from 2 to 10 mm (0.08" to 0.39") thick

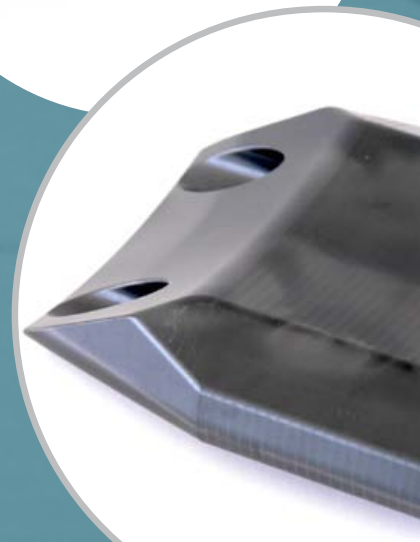
Special lengths up to three meters (118") for thicknesses from 10 mm. Washers up to 1,000 mm (39") diameter. Strips, machined sections and special moulded items of all kinds.

## EASY TO MACHINE

Vesconite machines easily on either metal or woodworking machines. It can be sawed, milled, turned, routed, planed or drilled. Recommended surface cutting speed 33 meters/minute. Use sharp tools and good support.

## NO WATER SWELL

Vesconite is effective in moist, immersed and corrosive applications because it has high dimensional stability and does not swell in water. In contrast, nylons can change dimensions by up to 3% after immersion in water.





# VESCONITE

## BEARINGS

Founded in 1958, Vesconite Bearings is a world-leading manufacturer of low-friction, low-wear bearing materials for a wide range of industries. These include the pump, agriculture, railways, mining, heavy-transport, hydro, renewable-energy, earthmoving, marine and construction industries.

The story of Vesconite goes back to 1968, when founder and chemical engineer Alain Leger began the research and development of a polymer bearing material for use in the ultra-deep gold mines of South Africa – a notoriously harsh environment characterised by extreme dirt and wetness.

The Vesconite Bearings factory spans 20,000 m<sup>2</sup> and features advanced extrusion, injection-moulding and CNC machining facilities. Both standard stock (rods, bushings and plates) and high-precision machined parts are produced. The company is ISO 9001:2015 certified.



### HOW CAN WE HELP YOU?



Get in touch with your enquiries or specific requirements.

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