

Insights on

TPE (SOFT PVC) & RUBBER MOULDS FOR CEMENT CONCRETE INDUSTRY

An informative monthly Newsletter

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Knowledge
center

Features of TPE (Soft PVC) Moulds for Precast Cement & Concrete Industry

- PVC is a synthetic thermoplastic material made by polymerizing vinyl chloride.
- PVC is one among the category of thermosetting plastics which can be softened by heating. PVC is the material which is long-term resistant to degradation and oxidation.
- PVC moulds are used to manufacture Concrete Paver Blocks, Cover Blocks etc. which are the modern day solution for low cost outdoor application.
- PVC moulds are manufactured in a variety of patterns and shapes as per the requirement.

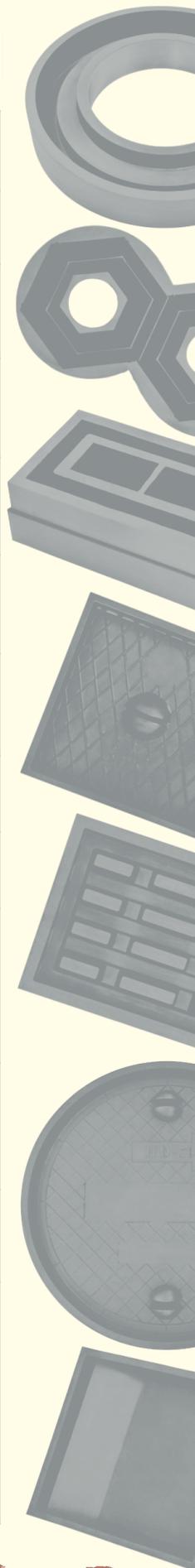
PVC Moulds are.....

- **Strong and lightweight**
Soft PVC moulds are abrasion resistance, light weight and has good mechanical strength and toughness compared to any other material.
- **Durable**
PVC moulds are resistant to weathering, chemical rotting, corrosion, shock and abrasion. It is therefore the preferred choice over any other material.
- **Cost-effective**
PVC moulds provides excellent cost-performance advantages compared to Rubber. As a material it is very competitive in terms of price, this value is also enhanced by the properties such as its durability, lifespan and low maintenance.
- **Versatile**
The physical properties of PVC moulds allows designers a high degree of freedom while designing new products and developing solutions for construction.
- **Flexible**
The flexibility of soft PVC moulds delivers the vibration to the concrete mix inside the moulds efficiently.



Comparison of TPE (Soft PVC) Paver Mould & Rubber Paver Mould

SR No.	Property	PVC Paver Mould	Rubber Paver Mould
01	Density	1.2 g/cm ³	1.5 g/cm ³
02	Colouring	They can be changed very easily.	They cannot be changed easily.
03	Acid resistance	Possess excellent acid resistance.	They are not acid resistant.
04	Extreme Climatic Conditions	Cannot sustain in extreme conditions.	Can sustain in extreme conditions.
05	Alkaline resistance	They have excellent alkaline resistant.	They are not alkaline resistant.
06	Surface Finish	They give shining surface finish.	They give less shining surface finish.
07	Weight	They are less in weight.	They weigh more weight.
08	Price	They are less expensive.	They are more expensive.
09	Cost per tool for different Mould Designs	High tool cost, so it is difficult to develop new designs. Hence mould becomes expensive.	Low tool cost, so it is easy to develop new designs. Hence mould becomes cheap.
10	Black carbon spot on concrete paving stones	Black carbon spot is not possible with PVC moulds.	Black carbon spot is possible with rubber paver moulds.
11	De-moulding of cement product	Very easy to De-mould.	Not very easy to De-mould.
12	Manufacturing Process	Can be done by 2 processes: 1. Fully Automatic Injection Moulding Machine 2. Manual Injection Moulding Machine.	Can be done only by Compression Moulding process.





Introducing new designs for TPE (Soft PVC) Moulds for Paver Blocks, Cover Blocks, & Rubber Mould for Manhole Cover.

BROOKS

MOULD

PRODUCT

Pattern - Ant, Size - 60 MM

DIAMOND

MOULD

PRODUCT

Pattern - Sand, Size - 60 MM

ROUND MANHOLE COVER

MOULD

PRODUCT

Diameter(mm)	400	400	450	450
Diameter(inch)	16	16	18	18
Height(mm)	40	50	40	50
Approx Weight Per Mould(kg)	3.85	4.21	4.50	4.90

COVER BLOCK MOULD

MOULD

PRODUCT

Size(mm)	20 / 25
Approx Weight Per Mould(kg)	2.00
Pcs. Per Mould	63

> For our comprehensive catalog on our Rubber & TPE products for Cement Concrete Industry. Click on following link :- <http://www.ashutoshrubber.com/catalog.php>

> To view videos on making of cement concrete products from moulds of "ASHUTOSH" Click on following link :- https://www.youtube.com/watch?v=y34_1KBDNbM&list=PLbo4OIZJXbJ1XQMXWrGa0YShDoWves5qk

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