



# PAVERS AND BLOCKS MANUFACTURERS ASSOCIATION

[Regd. Under Section 8 of Companies Act, 2013], CIN No. U74999MH2018NPL308583

## IS 12592: 2002 PRECAST CONCRETE MANHOLE COVER AND FRAME – SPECIFICATION

### Key Information

#### **GRADES & TYPES**

Grade	Designation	Type/Shape of Cover	Recommended Applications
Light Duty	LD-2.5	Rectangular, Square, Circular	Residential and institutional complexes/areas with pedestrian but occasional light motor vehicle traffic. These are also used for 'Inspection chambers'
Medium Duty	MD-10	Rectangular, Circular	Service lanes/roads, on pavements for use under medium duty vehicular traffic including for car parking areas.
Heavy Duty	HD-20	Rectangular (Scrapper Manhole), Square, Circular and Lamphole	Institutional/ commercial areas/ carriageways/ city trunk roads/ bus terminals, with heavy duty vehicular traffic of wheel load 50 - 100kN like buses, trucks and parking areas, and where the manhole chambers are located in between the pavement and the middle of the road.
Extra Heavy Duty	EHD-35	Rectangular (Scrapper Manhole), Square and Circular	Carriageways in commercial/ industrial/ port areas/near warehouses/ godowns, where frequent loading and unloading of trucks/trailers are common, with slow to fast moving vehicular traffic of the types having wheel loads up to 115 kN, irrespective of the location of the manhole chambers.

#### **PHYSICAL REQUIREMENTS**

##### **Load Test**

Grade	Type/Shape of Cover	Load kN	Diameter of Block mm
LD-2.5	Rectangular, Square or Circular	25	300
MD-10	Rectangular or Circular	100	300
HD-20	Rectangular, Square or Circular	200	300
EHD-35	Rectangular, Square or Circular	350	300

*(For further details please refer to the Standard)*



107 Nirman Kendra, Famous Studio Lane, Mahalaxmi, Mumbai 400011.



info@pbma.in



www.pbma.in