

# Mandana Polymer Industrial Group

Manufacturer of Liquid waterproofing membrane Epoxy Adhesive, Epoxy Flooring part making epoxy & Polymer Detergent



## Epoxy polymer integrated flooring

Three-layer self-leveling epoxy floor coverings are extremely strong, and durable, and possess unique properties that make them suitable for a variety of high-traffic facilities such as industrial environments, warehouses and material storage facilities. These seamless polymer-based floor coverings not only provide visual appeal but also offer high resistance to pressure and impact, as well as easy and fast cleaning. They are available in various designs and can be used in industrial and commercial centres. Epoxy flooring can be installed using two methods: self-leveling three-layer flooring or roller application

### Types and applications of manufactured flooring

Type	Application
Industrial	<ul style="list-style-type: none"> <li>• Factories and industrial sheds</li> <li>• Industrial parking lot</li> </ul>
Soft	<ul style="list-style-type: none"> <li>• Club and gym</li> <li>• Kindergarten and children's room</li> </ul>
Anti-bacterial	<ul style="list-style-type: none"> <li>• Hospitals, laboratories and health centres</li> <li>• Food and pharmaceutical factories</li> </ul>
Anti-static	<ul style="list-style-type: none"> <li>• Computer room - server and control room</li> <li>• Surgery and recovery room of the hospital</li> <li>• Electronics and telecommunication industries</li> </ul>
Decorative	<ul style="list-style-type: none"> <li>• Halls</li> <li>• Residential and office building</li> <li>• Toilet and bathroom</li> </ul>
Open space epoxy flooring (Farsh Resin)	<ul style="list-style-type: none"> <li>• Suitable for with area under pressure and vibration</li> <li>• Pedestrian stairs and bridges</li> <li>• Ramps and inclined surfaces</li> <li>• Pool edge and slippery surfaces</li> <li>• Suitable for open and closed space</li> </ul>
Epoxy roller flooring (concrete cover)	<ul style="list-style-type: none"> <li>• Waterproof</li> <li>• Making concrete resistant to chemicals</li> <li>• Suitable flooring for sheds and industrial warehouses (with light traffic)</li> </ul>
Properties	<ul style="list-style-type: none"> <li>• Scratch and wear-resistant</li> <li>• Easy to clean</li> <li>• Water and chemical resistant</li> <li>• Excellent adhesion to various surfaces</li> <li>• Free of solvents</li> <li>• Antibacterial and antistatic</li> <li>• High tensile and mechanical strength</li> <li>• Suitable for heavy traffic (including forklifts and heavy machinery)</li> <li>• Non-flammable</li> <li>• Durable, lasting &gt;10 years</li> <li>• Can be installed without removing the existing floor which could speed up installation and reduce renovation expenses</li> </ul>
End users	<ul style="list-style-type: none"> <li>• Building contractors and construction workers</li> <li>• Hospitals and pharmaceutical centers</li> <li>• Food processing plants and factories</li> <li>• Water tanks and storage facilities</li> <li>• Hotel corridors and lobbies</li> <li>• Residential, commercial, and industrial buildings</li> <li>• Parking areas</li> <li>• Building contractors and construction workers</li> <li>• Childcare and playground, Gym</li> <li>• Hospitals, lab and pharmaceutical centers</li> <li>• Food processing plants and factories</li> <li>• Building contractors and construction workers</li> <li>• Hotel corridors and lobbies</li> <li>• Residential, commercial, and industrial buildings</li> </ul>



### Solvent-free | General | Physical & Technical Information Self-Leveling Flooring EF30

Properties	
composition	Epoxy
Appearance	Coloured liquid
Mix Ratio by weight	100:25
Mixed Density (g/cm <sup>3</sup> )	1.4 approx
Recommended Coverage (g/m <sup>2</sup> )	1000-1500
Pot Life at 25°C (min)	40
Dry-Hard Time (hr)	12
Overcoat Time (hr)	18-24
Shore D Hardness	(days 7 after)

#### Storage

- Store in a dry place, away from direct sunlight, water, and rain
- Avoid storing the material at temperatures below 15°C
- Product can be stored in its original sealed containers for 24 months when placed at 15-30°C
- Always check product quality before using after prolonged periods of storage. If unsure, please contact the company for advice

#### Note

Keeping the resin at or close to freezing temperatures for a long time can cause it to crystallise. If this occurs, gently heat the resin container to 15-30°C to restore it

#### Warranty and after-sales support

The performance of this product is guaranteed for 12 months from the date of purchase by the end user

#### Safety considerations

Epoxy flooring products are non-toxic, but it's advisable to wear gloves, safety glasses, and work clothes when handling it. While this material isn't classified as hazardous to health or the environment, if it encounters your skin or eyes, rinse it with water

#### Health & Safety Advice

Epoxy flooring products are non-hazardous and solvent-free according to Safe Work Australia criteria, however, as a precaution, always provide good ventilation when applying. Wash off splashes of material with clean water, and wear gloves and eye protection. If irritation is experienced seek medical advice. Refer to the Safety Data Sheet for full safety and handling procedures

