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Epoxy Coated Wire Mesh

Product Brief Introduction:

Epoxy coated wire mesh is referred to epoxy mesh.

The manufacturing process of epoxy mesh is to use the principle of electrostatic spraying to absorb eco-friendly epoxy resin powder on the surface of the wire mesh woven from different metal wires. After a certain period of high temperature curing, the epoxy resin powder is melted and covered on the substrate. A dense protective layer is formed on the surface of the mesh.

Epoxy powder is divided into indoor and outdoor types, and special powders can be customized and developed according to customer requirements.

The substrate mesh usually includes low carbon steel mesh, aluminum alloy mesh and stainless steel mesh.

Epoxy mesh manufacturing standard: GB/T 17492-2019
Woven pattern: Plain wave rough edge / selvaged edge

Features of Epoxy Mesh:

After epoxy coating, the interweaving point of the metal mesh is fixed, the warp and weft are vertical, the mesh holes is uniform, not easy to loose and deform, the support for the filter paper is strengthened, the mesh surface is soft, easy to fold and form; the coating thickness is uniform with even and consistent color.

Application and Type of Epoxy Mesh:

According to different Application, epoxy mesh can be divided into industrial epoxy mesh and civil epoxy mesh.

Industrial epoxy mesh mainly refers to aluminum alloy epoxy mesh and low-carbon steel epoxy mesh, which are mainly used as the filter element support mesh of the filter, also known as hydraulic filter element protection mesh, hydraulic filter element metal mesh.

Civil epoxy mesh mainly refers to stainless steel epoxy mesh, which is mainly used in high-end residential and commercial building as security window screens.

Advantages of Jiushen Epoxy Mesh：

After coating, the mesh is square without deformation and the surface is flat with the maximum undulating height on the platform ≤10mm. The powder coating amount is controlled at 20-35g/ ㎡, with moderate interleaving points. The width of finished product can reach 1,600mm.

The surface treatment powder adopts low temperature fast curing oil-resistant

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matting resin paint (160℃/90s) and low temperature curing weather-resistant matting polyester paint (160℃/90s). The powder has obtained RoHS and REACH certification.

It is resistant to oil immersion and corrosion. It can pass the detection of various brands of hydraulic oil media around the world at different temperatures and times. The coating surface has no change. It is suitable for special hydraulic filter products of high temperature and high pressure.

Weather corrosion resistance, according to ASTM B117-09 salt spray test standard, continuous test 96H coating surface unchanged, suitable for use in harsh environment air filter and outdoor environment.

Strong adhesion, can pass H grade pencil test, 1kg/50cm impact test, scratch test, anti-fatigue test.
High bending resistance, can be folded through a steel rod with a radius of curvature of 1mm, no cracks on the surface

Industrial selected high-quality steel and wire drawing annealing process, combined with the new weaving process, the mesh surface is soft, and the elastic modulus is low.
After coating, it's easy to fold and shape. The warp and weft wires are firmly bonded after the product is processed and are not easy to fall off. The edges will not fall off after slitting and cutting.
The adhesion force of the coating interlacing point can reach 0.7kg.

Specification：

Substrate Mesh Material	Coating Type	Specification	Width（mm）	Length（m）	Application
Q195	Oil Resistance	18*14/0.18	20-1500	≤1000	Hydralic Filter
Q195		18*14/0.16	20-1500	≤1000	
Q195		12*10/0.25	20-1500	≤1000	
Q195		22*10/0.16	20-1500	≤1000	
5154A		18*14/0.21	20-1500	≤1000	
5154A	Weather Resistance	17*15/0.21	20-1500	≤1000	Air Filter
5154A	Weather Resistance	18*15/0.28	20-1500	≤200	Window Screen
SS316		12/0.35	20-1500	≤200	
SS316		11/0.7	20-1500	≤200	
Specification, material, appearance color all can be customized					