

Ecoflex® 2K Substrate Support Mat

Ecoflex® 2K is the newest member of the Ecoflex support mat product family specifically developed as a cost-effective solution for demanding applications.

Ecoflex 2K utilizes Unifrax polycrystalline fibers, commonly known as polycrystalline wool (PCW), with proven long-term performance in challenging emission control mounting mat applications.

Ecoflex 2K is suitable for the full spectrum of exhaust after-treatment applications, whether the requirements call out the need for ultrathin wall substrates, oxidation catalysts, selective catalyst reduction, diesel and gasoline particle filters.

Ecoflex 2K is easy to process in all common canning methods, such as hard and soft stuffing canning operations. The base fiber to finished product is manufactured utilizing Unifrax’s unique vertically integrated, global supply chain network which allows significant peace of mind when it comes to security from supply disruption.

Designed for wide range of applications:

- Diesel (DPF, DOC, SCR)
- Gasoline (CCC, UBC, GPF)
- Thermal Insulation (End Cone, Heat Shield)
- Ultra-Thin Wall Monoliths



Physical Properties

Basis Weight*	Nominal Thickness	Target Gap**
(g/m ²)	mm	mm
1350	8.4	3.4
1600	10.0	4.0
2000	12.5	5.0
2400	15.0	6.0
2700	16.9	6.5

*Basis Weight – Fiber + Binder

**Mat Mount Density design range (0.30-0.55 g/cm³)

Typical Composition

Fibers Weight	90 - 93
Organic Binder Weight	7 - 10

Worldwide Technical Support

Unifrax is a worldwide sales and service organization with several international locations and representatives. The services that we provide include thermal modeling, system design engineering assistance, and failure analysis as well as technical exchange programs. For additional information regarding Ecoflex 2K or any of our catalytic support mats, please contact your local Unifrax Sales Engineer or visit: www.unifrax.com

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