



Fumaric Modified Rosin Resins for Road Marking Application

A Responsible Choice for Safer Roads



hubergroup Chemicals

**Designed in Germany –
Made in India**

Fumaric Modified Rosin Resins for Road Marking Application

Key Facts: FM Rosin Resins are a practical option for many road marking scenarios where extreme durability or high-performance specifications are not required. They are most effective in moderate traffic environments and are commonly used for **general road markings**, **pedestrian areas**, and **temporary markings** in **construction zones**. Their bio-based composition ensures a reduced environmental footprint while delivering excellent adhesion, weather resistance, and long-lasting performance on asphalt and concrete surfaces.

What are FM Resins? Fumaric Modified Rosin Resin (FM Resin) is a modified version of natural rosin, where fumaric acid is used to improve the resin's properties, making it more suitable for durable applications like road markings. These resins are often used in combination with pigments and other additives to create road marking paints that are highly visible, weather-resistant, and durable under traffic conditions.



What are the benefits to you?

- **Good Adhesion:** Provides strong bonding to common road surfaces like asphalt and concrete.
- **Adequate Durability:** Performs well in low to moderate traffic conditions and environmental exposure.
- **UV and Weather Resistance:** Keeps road markings visible over time in moderate climates.
- **Versatile Application:** Suitable for spray, roller coating, thermoplastic bands and stenciling applications.
- **Bio-Based:** Derived from renewable natural sources, making them an environmentally conscious choice for road and area markings.

Application Areas

General Road Markings (Urban, Residential)	Commercial & Industrial Zones	Pedestrian Crosswalks & School Zones	Temporary Markings (Construction Sites)	Parking Lot Markings	Low-Traffic Rural Roads
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Our product offer

Product	Product Description	Viscosity	Acid Value	Colour	Softening Point
		s	mg KOH/g	Gardner	°C
UFRZ-1020	Fumaric Modified Rosin Resin 	17 - 22 ¹⁾	190 - 210	≤ 8	136 - 150
UFRZ-1121	Fumaric Modified Rosin Resin 	15 - 18	280 - 300	≤ 12	140 - 150

1) At 30 °C; FCB4; 50 % solution in alcohol



hubergroup Chemicals is one of the largest manufacturers in the chemical sector, offering a broad product portfolio of specialty chemicals, including Pigments and Concentrates, Lamination Adhesives, UV-Monomers, and UV-Oligomers. With our custom manufacturing business, we can also design and manufacture products exactly to our customers' requirements. We are committed to innovation and excellence, offering a wide array of specialty chemicals tailored to meet the unique demands of our valued clients. To date, hubergroup Chemicals has developed into a major chemical supplier that sells its products to all over the world, in all business areas and to customers ranging from SMEs to large, world-renowned chemical companies.

Let's Stay In Touch

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