

Technical Bulletin

Talc in Putties

Imerys Talc offers a broad selection of talc products for the adhesive, sealant and putty formulator. The microcrystalline Mistron® and Nicron® grades are superior thixotropes which can replace fumed silicas and activated clays in urethanes, epoxies, butyl and polyesters. The macrocrystalline Canadian grades offer extremely low adsorbed moisture along with good rheology and the Vertal® talc-carbonate line give the best sanding and mud cracking for autobody putty and wall joint compounds.

Products, characteristics and applications

Product name	Median PS	Ore Type	Applications
Mistron® Vapor RE	2.2	Montana Microcrystalline	Thixotrope for urethanes Epoxies, butyls & polyesters
Nicron® 554	3.2	Montana microcrystalline	General purpose thixotrope
Mistron® RCS	3.5	Montana microcrystalline	Specially processed talc for unique rheology
Silverline® 403	5.2	Montana microcrystalline	Low cost thixotrope Lightweight joint compounds
Nicron® 353	6.8	Montana microcrystalline	General purpose thixotrope
Silverline® 202	20	Montana microcrystalline	High solids auto body putties
Artic Mist®	2.2	Canada macrocrystalline	Low adsorbed moisture rheology modifier
Jetfil® 350	7.0	Canada microcrystalline	Low adsorbed moisture
Vertal® 7	9.0	Vermont talc-carbonate	Superior sanding for joint compounds and body putties
Vertal® 77	9.0	Vermont talc-carbonate	Bright joint compounds
Vertal® 97	12.0	Vermont talc-carbonate	Superior sanding for joint compounds and body putties
Vertal® 92	17.0	Vermont talc-carbonate	Superior sanding for joint compounds and body putties
Vertal® 202	12.0	Vermont talc-carbonate	Bright joint compounds

About Imerys Talc

Imerys Talc is the world's leading talc producer, employing 1,000 people on five continents and supplying around 15 percent of world demand from our mines and processing plants in Australia, Austria, Belgium, Canada, France, Italy, Japan, Spain and the United States.

We are the acknowledged leaders in product quality, supply reliability and technical support – the services that create value for our customers and set us apart from competitors.

With over a hundred year's experience in the extraction and processing of talc, we offer the highest quality talc products on the market today.

About Talc

Talc is a surprisingly versatile, functional mineral which possesses a unique combination of properties. Talc is soft, water repellent, chemically inert and highly platy and has a marked affinity for certain organic chemicals. Our industry experts have harnessed these properties to bring customers improved performance in a wide range of applications such as paper, paints, plastics, rubber, ceramics, cosmetics, agriculture, food, pharmaceuticals, cosmetics and soap.

Meeting today's needs. Securing tomorrow's.

We believe that running a successful business and sustaining quality of life and the environment go hand in hand. From implementing behavior-based safety training to rehabilitating the land, we think it's important that future generations' needs are not compromised by our actions today.

Our fundamental sustainability principles are:

Safety – We promote the health and safety of employees, contractors, customers, neighbors and consumers through active caring.

Partnership – We seek to understand the issues that are important to our neighbors, and to make a lasting contribution to the communities in which we operate.

Environmental protection – We work to minimize our environmental footprint by using natural resources efficiently, preventing pollution, complying with applicable laws and regulations and continually improving our performance.

Accountability – We conduct business in an accountable and transparent manner, relying on external auditing and reporting to understand and reflect our stakeholders' interests.

Product stewardship – We are committed to ensuring that our products are safe for people and the environment, employing best available technology and following best-in-class procedures to ensure that our standards and practices meet or exceed safety requirements everywhere we do business.



We conduct life cycle assessments (LCA) at all our operations to quantify the environmental effects associated with producing our products from the mine to factory gate, and to identify areas for improvement.

Likewise, we compile life cycle inventories (LCI) of the energy consumption, materials used and emissions generated by each of our product ranges. These LCI can be made available to customers and research institutions on request.



For more information, please visit www.imerystalc.com

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