Turkmenistan Titanium Dioxide Overseas Market Analysis Report

Target Country: Turkmenistan

Main Category: Titanium Dioxide (TiO_2)

Report Updated: July 7, 2026

Key Conclusions: Turkmenistan TiO_2 Market

Turkmenistan's titanium dioxide market is entirely import-dependent, with China, Turkey, and Russia as the main suppliers. In 2025, imports were estimated at 3,500-4,800 tonnes, with limited but steadily growing market scale. High global titanium concentrate prices combined with logistics costs continue to pressure CIF prices in Turkmenistan. Architectural coatings and plastic products are the core consumption sectors, while expanding infrastructure investment underpins future demand.

Est. Annual Imports: 3,500-4,800 tonnes

Est. China Supply Share: 45%-55%

Price Trend: ▲ Elevated & Firm

Key Risks: **FX Volatility & Logistics Bottlenecks**

Sources: UN Comtrade 2025 trade data; China Customs export statistics; 100ppi TiO_2 price monitoring (Dec 2025)

Supply & Demand Fundamentals

Turkmenistan has no domestic TiO_2 production capacity, with demand entirely met by imports. Apparent consumption in 2024 was approximately 4,000 tonnes, expected to grow slightly to 4,200-4,500 tonnes in 2025. Architectural coatings account for approximately 55% of consumption, plastics 25%, and paper and others 20%. Global TiO_2 capacity is approximately 7.8 million tonnes/year, with China accounting for over 50%.

Indicator	2023	2024	2025E
Turkmenistan Apparent Consumption (t)	3,600	4,000	4,300
Import Dependence	100%	100%	100%
Global Output (10,000 t)	740	760	780

Sources: UN Comtrade; Argus Media Global TiO_2 Market Report (Q4 2025); 100ppi industry annual report

China Market Overview

China is the world's largest TiO_2 producer and exporter. In 2025, mainstream ex-factory prices for rutile TiO_2 were RMB 15,500-16,800/tonne, and anatase TiO_2 at RMB 13,800-14,800/tonne. Industry operating rates were maintained at 75%-82%, with capacity utilization affected by environmental production restrictions. Exports to Central Asia continue to grow, with Turkmenistan being one of the important destinations for Chinese TiO_2 in Central Asia.

Rutile Ex-factory Price: RMB 15,500-16,800/t

Anatase Ex-factory Price: RMB 13,800-14,800/t

Industry Operating Rate: 75%-82%

2025 Total Exports (Est.): ~1.75 million t

Sources: 100ppi TiO_2 price monitoring (Dec 2025); Sublime China TiO_2 weekly (Q4 2025); China Customs

Turkmenistan Market Overview

Turkmenistan's TiO_2 market is small but stable, with CIF prices at a premium of approximately 18%-25% over Chinese ex-factory prices, mainly driven by inland transportation and customs clearance costs. Ashgabat and surrounding areas are the main consumption regions. Purchasing preferences lean towards rutile products, with high price sensitivity. Chinese products dominate the market due to their cost competitiveness.

Est. CIF Average Price: USD 1,950-2,150/t

Import Dependence: **100% (No local capacity)**

Main Source Countries: China, Turkey, Russia

Consumption Hub: Ashgabat Metro Area

Sources: UN Comtrade bilateral trade data (2025); Argus Media Central Asia brief; industry trader interviews

Product Segment Structure

Turkmenistan's TiO_2 imports are dominated by rutile grade (approximately 75%), mainly used in architectural and industrial coatings; anatase grade accounts for approximately 20%, used in plastics and paper; the remainder is specialty TiO_2. Rutile products command a significant premium, with import average prices approximately 25%-30% higher than anatase.

Segment	Est. Import Share	CIF Avg Price (USD/t)	Main Application
Rutile	75%	2,050-2,200	Architectural & industrial coatings
Anatase	20%	1,600-1,750	Plastics, paper
Specialty TiO_2	5%	2,500+	Cosmetics, electronic ceramics

Sources: UN Comtrade HS code classification statistics (2025); 100ppi TiO_2 grade price comparison; industry trade data

Core Downstream Supply & Demand

The core downstream products of TiO_2 are architectural coatings and plastic masterbatch. Turkmenistan's domestic coating production capacity is limited, with approximately 60% of coating products also reliant on imports. In 2025, Turkmenistan's architectural coating demand was approximately 28,000 tonnes, and plastic product output was approximately 15,000 tonnes. TiO_2, as a critical raw material, has a supply gap of approximately 4,200 tonnes that must be filled through imports.

Est. Coating Demand: 28,000 t/year

Est. Plastic Output: 15,000 t/year

TiO_2 Supply Gap: **~4,200 t (fully import-dependent)**

Sources: Turkmenistan State Statistics Committee (2024 bulletin); World Bank Turkmenistan economic brief; industry channel research

Intermediate & Raw Material Values

The core raw materials for TiO_2 are titanium concentrate and sulfuric acid. In 2025, Chinese titanium concentrate ($TiO_2 \geq 46\%$) port prices were approximately RMB 2,800-3,200/tonne, and sulfuric acid prices were approximately RMB 350-480/tonne. Raw material costs account for approximately 55%-60% of total TiO_2 production costs. The price of TiO_2 imported into Turkmenistan is significantly influenced by Chinese raw material cost pass-through, with a spread of approximately 18%-22%.

Raw Material	China Domestic Price	Impact on TiO_2 Cost
Titanium Concentrate ($TiO_2 \geq 46\%$)	RMB 2,800-3,200/t	~38%-42% share
Sulfuric Acid (98%)	RMB 350-480/t	~12%-16% share
Turkmenistan CIF Premium	+18%~22%	Logistics + customs + distribution

Sources: 100ppi titanium concentrate price monitoring (Dec 2025); Longzhong sulfuric acid weekly; Sublime China cost model

Trade & Macroeconomic Indicators

Turkmenistan's 2025 GDP growth rate was approximately 2.1%, with the construction sector accounting for approximately 11%. Bilateral trade between China and Turkmenistan was approximately USD 11 billion, with China being Turkmenistan's largest trading partner. TiO_2 imports are subject to tariffs of approximately 5%-8%, with no special quota restrictions. The local currency, the manat, maintains an official fixed exchange rate of 3.5:1 against the US dollar, but parallel market premiums exist.

Indicator	Value	Trend
GDP Growth (2025E)	2.1%	→ Stable
Construction Share	~11%	▲ Rising
China-Turkmenistan Trade	~USD 11 bn	▲ Growing
TiO_2 Import Tariff	5%-8%	→ Steady

Sources: World Bank Turkmenistan data (2025 update); IMF Central Asia Economic Outlook; China Customs bilateral trade statistics

Risks & Opportunity Windows

Major risks include Turkmenistan's foreign exchange controls leading to long payment cycles, high inland logistics costs, and geopolitical uncertainties. Opportunity windows lie in Turkmenistan's infrastructure plan driving coating demand growth, the advancing China-Central Asia free trade agreement negotiations potentially reducing tariffs, and the incremental TiO_2 demand from localized coating capacity construction.

⚠ Risk Alert: Turkmenistan's foreign exchange approval process is complex, with average collection cycles of 60-90 days; Caspian Sea cross-border transportation is significantly affected by seasonal factors; parallel market exchange rate fluctuations may impact importer purchasing willingness.

Est. Infrastructure Investment Growth: ▲ 8%-12%

Annual Coating Demand Growth: +5%-7%

Tariff Reduction Potential: China-C. Asia FTA in progress

Sources: Turkmenistan National Development Plan (2025-2030); EIU country risk report; China MOFCOM Central Asia trade brief

Key Data Sources

- UN Comtrade Database — International trade statistics (2025 HS code data)
- 100ppi (www.100ppi.com) — TiO_2 / Titanium Concentrate / Sulfuric Acid price monitoring (Dec 2025)
- Sublime China Information — TiO_2 industry weekly and cost model (Q4 2025)
- Longzhong Information — Sulfuric acid and chemical raw material price data (2025)
- Argus Media — Global TiO_2 market report and Central Asia brief (Q4 2025)
- China Customs — Import & export trade statistics (2025)
- World Bank — Turkmenistan country data (2025 update)
- IMF — Central Asia Economic Outlook (2025)
- EIU (Economist Intelligence Unit) — Turkmenistan country risk report
- Turkmenistan State Statistics Committee — 2024 statistical bulletin