

	<i>Technical Data Sheet</i>	
	SumTITAN R-2041	01.01.2018
Manufacturer	Public Joint-Stock Company SUMYKHIMPROM	
Address	40003 Kharkovskaya str., p/o 12, Sumy, Ukraine	
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Product information:

Intended use	Is characterized by improved dispersibility, high optic characteristics and increased atmospheric resistance. Is recommended to be applied in high quality organo-soluble and water-dispersed paints, primers, linoleum, white cement, sealants, adhesives, beddings, putties, silicate paints, finishing mortars (incl. cement mortars), powder coatings, epoxy coatings, road marking paints, high-solid paints, printing inks, floor coatings.
Appearance	White powder
Molecular formula	TiO ₂
Trade name	Titanium Dioxide pigment
Registration numbers	CAS No. 13463-67-7; EINECS No. 236-675-5; RTECS XR 2275000; Russian Register PhCBS No. AT000008 dated 27.01.94; Reg. No. under (EC) Regulation No. I 907/2006 (REACH): 01-2119489379-17-0029
Guaranteed shelf life	12 months from the date of manufacture
Kind of packaging	25 kg valve paper bags on palettes (1000 kg net weight), disposable PP containers – big bags (500 kg, 1000 kg net weight).
Durability period	Unlimited
Storage and handling conditions	Store in original manufacturer's containers in covered dry warehouses. Avoid aerosols formation when handling. Apply individual respiratory protection equipment.
Transport information	The product is transportable by all kinds of vehicles in accordance with carriage regulations, valid for the given kind of shipment. The cargo is not classified as dangerous under international carriage regulations. "Keep Dry" sign is mandatory.

Physico-chemical indices:

Indices denomination and measuring units	Norm
Titanium Dioxide, % by wt., min.	94
Rutile form, % by wt., min.	97
Volatiles, % by wt., max.	0,5
Water soluble substances, % by wt., max.	0,2
pH of water suspension	6,5- 8,0
Residue on sieve 0045 mesh, %, max.	0,005
Bleaching capacity, conventional units, min.	2050
Coverage potential, g/m ² , max.	24
Dispersibility (dissolver), µm, max. ¹	40
Dispersibility (beard mill), µm, max.	13
Oil absorption, g per 100 g of product, max.	22
Particles' size, µm, max. ²	0,35
Light stability	good
Whiteness, conventional units, min. ³	97
Colour coordinates value L, a, b	
L – min.	98
a – min.	-0,4
b – max.	1,8
Surface treatment	SiO ₂ , Al ₂ O ₃ and organic surface active agent

Note 1: To be identified upon customers' request.

Note 2: Value (d₅₀) is identified by sedimentation on x-ray disk centrifuge XDC-BI.

Note 3: Test method: in tablettised powder, device – Ultrascan C/2grad.