



KAOLINS FOR PAPER COATING APPLICATIONS

TYPICAL DATA

TEST	UNITS	PLATINUM COTE	PLATINUM ROTO
ISO OPTICAL PROPERTIES	R457 Colour (%)	83.50	83.0
	Yellowness %	5.0	5.0
PARTICLE SIZE DISTRIBUTION (Sieve) (Sedigraph) (Sedigraph)	+53 μ m %	0.01	0.02
	+10 μ m %	0	2
	-2 μ m %	70	50
(Sedigraph)	-1 μ m %	50	40
pH		5.0	5.0
VISCOSITY CONCENTRATION	%	69	67
EINLEHNER ABRASION	Mg loss	8	12
CHEMICAL ANALYSIS (XRF)	SiO ₂ %	46.8	47.00
	Al ₂ O ₃ %	37.6	37.43
	Fe ₂ O ₃ %	0.80	0.90
	TiO ₂ (%)	0.02	0.03
	CaO %	0.02	0.02
	MgO %	0.20	0.21
	K ₂ O %	2.50	2.50
	Na ₂ O %	0.05	0.04
LOI %	12.00	12.00	
MINERALOGICAL COMPOSITION (XRD)	Kaolinite %	90	88
	Mica %	8	8
	Felspar %	1	2
	Others %	1	2

Goonvean Ltd. was the first china clay company in the UK to be awarded the Certificate ISO 9001. The Company was founded in 1931 and in that time has established a strong reputation for the supply of high quality kaolins. Our products are used by a range of paper mills throughout Europe.

COATING CLAYS

Goonvean Platinum Roto is a delaminated china clay which is platy – the surface area is large in relation to the thickness. This clay is designed for use as a coating pigment for LWC and ULWC rotogravure papers. **Platinum Roto** provides improvements to brightness, gloss, opacity and importantly, a better print quality with fewer missing dots.

Platinum Roto can also be used as a light weight pre-coat, providing good coverage at high machine speeds. Goonvean **Platinum Cote** is a finer particle size china clay featuring good brightness. It has a low viscosity concentration which makes it unsuitable for normal high speed coating but this unusual feature can be used to advantage in certain specialised applications.

Product Forms and Packaging

FORM	MOISTURE	PACKAGING
Noodles (Platinum Roto)	10%	Bulk, One Tonne Bags or 50kg Bags

As a guide, storage is:

Noodles in bulk	1,000 kg/m ³
Noodles in bags	900 kg/m ³

Quality Control

Goonvean Ltd was the first china clay company to be approved to BS EN ISO 9002. All our china clays are manufactured and evaluated to stringent control limits within our quality system, thus ensuring that all deliveries to our customers fully meet the agreed specification.

In 2003, we were upgraded to BS EN ISO 9001:2000 (Certificate No.: 4012130)

Data

The data quoted are determined by the use of Goonvean Standard Laboratory Test Procedures. Whilst every effort is taken to ensure the accuracy of technical information, the contents of this publication are not intended to constitute, or to be construed as product specification. Detailed test methods available upon request.

Conditions of Sale

Sales are in accordance with our “Conditions of Sale”, copies of which will be supplied upon request.

Further Information

Should you require any further information or advice on our products, please contact us at the address given below.

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