

ND80PE3020 – RAL3020

PRODUCT DESCRIPTION

Reveal Shield is a range of powder coatings that combine good appearance with excellent performance in aggressive environments where mechanical and chemical resistance is required. The product offers a high level of surface hardness and resistance to wear and tear.

Application areas

This product is suitable for interior and exterior use.

Typical application areas:

Heavy duty machinery and tools

Laboratory equipment

Pallet-racks

TYPE	POLYESTER
STOVING SCHEDULE	180 °C 15 Min.-200 °C 10 Min.
WORKING VOLTAGE	Corona/ tribo
FILM THICKNESS	60-80 micron
GUN VOLTAGE	60-90 KV
m²- SPACE	7-9

PHYSICAL CHARACTERISTICS

GLOSS	ASTM 523	80 GLOSS (60 °C) ± 5
IMPACT RESISTANCE	ASTM D2794-84	80-100 kg.cm
ERICHSEN DEFORMATION	DIN 53153	7 mm
HARDNESS	DIN 53153	87 bucholz
DENSITY	DIN 53217	1,53 gr/cm³
HUMIDITY RESISTANCE	SCALTEC	0,6 %
FLOWABILITY	SAMES AS 100	80

Date of issue: 23 May 2024

This Technical Data Sheet supersedes those previously issued.

The Technical Data Sheet (TDS) is recommended to be read in conjunction with the Safety Data Sheet (SDS) and the Application Guide (AG) for this product. For your nearest local NMK PAINT Office, please visit our website at www.nmkboya.com

CHEMICAL PROPERTIES

SALT WATER TEST	LIEBISCH	2000 HOUR
MOISTURE RESISTANCE	LIEBISCH	2000 HOUR
AGING TEST	200 °C- 2 HOUR	($\Delta E=0,5$)(Gloss loss %2)
UV RESISTANCE	300 Wat- 48 HOUR	$\Delta E=0,5$ (Gloss loss %2)
ADHESION	ISO 2409	CRUSS-CUT Gt0 (100% ADHESION)

STORAGE

SHELF LIFE	In cool & cool dry conditions (<27°C) 12 months
PACKAGING	1 layer polyethylene bag and 25 kg cardboard box

Disclaimer

The information in this document is given to the best of NMK's knowledge, based on laboratory testing and practical experience. NMK's products are considered as semi-finished goods and as such, products are often used under conditions beyond NMK's control. NMK cannot guarantee anything but the quality of the product itself. Minor product variations may be implemented in order to comply with local requirements. NMK reserves the right to change the given data without further notice.

Users should always consult NMK for specific guidance on the general suitability of this product for their needs and specific application practices.

If there is any inconsistency between different language issues of this document, the English (United Kingdom) version will prevail.

Date of issue: 23 May 2024

This Technical Data Sheet supersedes those previously issued.

The Technical Data Sheet (TDS) is recommended to be read in conjunction with the Safety Data Sheet (SDS) and the Application Guide (AG) for this product. For your nearest local NMK PAINT Office, please visit our website at www.nmkboya.com