

NOVOPLAN 200 MY

Self-levelling smoothing compound for thicknesses from 1 to 5 mm

ADVANTAGES

- easily workable.
- can be applied in thicknesses up to 5 mm per single coat without significant shrinkage.

WHERE TO USE

Novoplan 200 MY is used for smoothing both new or existing substrates and provides an underlayment for PVC, linoleum, rubber, cork, textile and non-woven flooring. **Novoplan 200 MY** must only be applied in interior conditions in thicknesses from 1 to 5 mm.

Some application examples

- smoothing of concrete slabs and cement-based screeds or **Topcem**, **Topcem Pronto** or **Topcem Pronto 305**.
- smoothing over existing ceramic tile, terrazzo, natural stone and magnesite floors.

TECHNICAL CHARACTERISTICS

Novoplan 200 MY is a grey powder composed of special fast-setting and hydrating cements, specially graded silica sand, resins and additives, prepared and developed in the MAPEI research laboratories. When mixed with water, **Novoplan 200 MY** becomes an easily workable mixture with self-levelling properties.

Novoplan 200 MY can be applied in thicknesses up to 5 mm per single coat without significant shrinkage that could lead to cracks or crazing. Flooring can be installed once **Novoplan 200 MY** has dried, minimum 24 - 48 hours, depending on the thickness, temperature and moisture of the environment.

RECOMMENDATIONS

- Do not add more water to the mix once it has begun to set.
- Do not add lime, cement or gypsum to the mix.
- Do not use for smoothing in exteriors or for substrates subject to rising damp.
- Do not apply another coat of **Novoplan 200 MY** once the previous one has dried completely, without first applying diluted **Primer G** (1 part by weight of **Primer G** diluted with 3 parts of water).
- Do not use **Novoplan 200 MY** at temperatures below +5°C or above +35°C.
- **Novoplan 200 MY** is not suitable for installing wood and parquet floor and wall coverings.
- Do not apply **Novoplan 200 MY** in thicknesses less than 1 mm.
- Do not use for levelling over wooden substrates.

APPLICATION PROCEDURE

Preparation of the substrate

The substrates must be dry, solid, free from dust, loose materials, paints, wax, oils, rust and traces of gypsum. Cement-based surfaces which are not sufficiently solid must be removed, or if possible, consolidated with **Prosfas**. Cracks or crazing in substrates must be repaired with **Eporip**.

In order to fix dust and provide uniform absorbency of the substrate, dusty or very porous concrete surfaces must be treated with a coat of **Primer G** (1 part of **Primer G** with 3 parts of water).

Preparation of the product

While mixing with a low speed electric mixer, pour a 25 kg bag of **Novoplan 200 MY** into a bucket containing 6.00 - 6.25 litres of clean water and mix until a uniform lump-free mixture is obtained. Larger quantities of **Novoplan 200 MY** can be prepared using a suitable mortar mixers.

Let the mix stand for a few minutes before remixing for a short time. The mix is then ready to be applied. The **Novoplan 200 MY** mixture must be used within 30 minutes (at a temperature of +23°C).

Application of the product

Apply **Novoplan 200 MY** in a single coat, from 1 to 5 mm thick with a large metal trowel or a squeegee. Keep the trowel slightly inclined to obtain the desired thickness. If a second coat is required, it is recommended to apply as soon as the previous coat is set to light foot traffic (approx. 3 hours at +23°C).

Installation of the flooring

Once **Novoplan 200 MY** dried, resilient, textile and ceramic flooring can be installed over it. All MAPEI adhesive products are designed to be applied over **Novoplan 200 MY**.

The waiting time before installation may vary according to the humidity, ambient temperature and the thickness and type of flooring to be installed (minimum 24 to 48 hours).

TECHNICAL DATA (typical values)

PRODUCT IDENTITY

Consistency:	fine powder
Colour:	grey
Bulk density:	1,200 kg/m ³
Dry solids content:	100%

APPLICATION DATA (at +23°C and 50% R.H.)

Mixing ratio:	approx. 24 – 25 parts of water for 100 parts by weight of Novoplan 200 MY
Thickness per coat:	from 1 to 5 mm
Self-levelling:	good
pH of mix:	approx. 12
Application temperature range:	from +5°C to +30°C
Pot life:	approx. 20 – 30 minutes
Setting time:	approx. 50 – 80 minutes
Set to light foot traffic:	3 – 4 hours
Waiting time before bonding:	24 hours

FINAL PERFORMANCES

Compressive strength (EN 13892-2):	
▪ after 28 days:	20 N/mm ²

CLEANING

While it is still fresh, **Novoplan 200 MY** can be removed from tools with water.

CONSUMPTION

1.6 kg/m² per mm of thickness.

PACKAGING

Novoplan 200 MY is available in 25 kg bags.

STORAGE

Novoplan 200 MY can be stored for 12 months in its original sealed packaging, in a dry place. Protect from humidity.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Instructions for the safe use of our products can be found on the latest version of the Safety Data Sheet, available from our website www.mapei.com.my

PRODUCT FOR PROFESSIONAL USE.

WARNING

Although the technical details and recommendations contained in this product data sheet correspond to the best of our knowledge and experience, all the above information must, in every case, be taken as merely indicative and subject to confirmation after long-term practical application; for this reason, anyone who intends to use the product must ensure beforehand that it is suitable for the envisaged application. In every case, the user alone is fully responsible for any consequences deriving from the use of the product.

Please refer to the current version of the Technical Data Sheet, available from our website www.mapei.com.my

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The contents of this Technical Data Sheet ("TDS") may be copied into another project-related document, but the resulting document shall not supplement or replace requirements per the TDS in force at the time of the MAPEI product installation. The most up-to-date TDS can be downloaded from our website www.mapei.com.my

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