



Ceramaxx Professional Floor Lacquer

TECHNICAL DATA SHEET



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PRODUCT DESCRIPTION

ADVANTAGES

MARLDON CERAMAXX FLOOR LACQUER is an exceptionally durable two-component waterborne lacquer based on an advanced ceramic formulation. The ceramic in the lacquer provides superior resistance to wear, scuff marks, chemicals and scratches. The tiny ceramic particles also give exceptional flow and levelling, and unparalleled adhesion properties.

PRODUCT USES

Designed for high traffic areas, Ceramaxx can be used on wood, PVC and linoleum flooring. Use together with Marldon Cerabase primer. For resilient flooring see additional product sheet.

PACKAGING

A 4.5 L can plus a 0.45L bottle of hardener. Boxes contain 3 x 4.5L cans and 3 x 0.45L bottles of hardener. A pallet holds 120 cans / 40 boxes. For technical information on the hardener see separate data sheet.



TECHNICAL INFORMATION

COMPOSITION

Content: 100% Polyurethane dispersion
Unique property: added ceramic particles

CHARACTERISTICS

NMP free
Low VOC: 90g/litre when mixed with hardener
PH: approx. 8
Solids by volume: 32%
Gloss level: MXL 610 Extra Matt (ca.8), MXL 600 Matt (ca.20), MXL 650 Satin (ca.45)
Coverage: 8-10 m²/litre, 100-125g/m² per coat
Open time: 4 hours when mixed.
Working temperature: 15-25°C (60-77°F)
Drying time: 30-60 minutes on bare wood, and maximum 2-4 hours for subsequent coats
Cure time: Fully cured in 3 days
Colour: Milky white, clear when dry
Chemical resistance: Resistant to grease, water and common household cleaners and detergents

CERTIFICATION AND COMPLIANCY

Wear resistance: Exceeding industry standard BS EN 660-2:1999
EC1: Compliant
Fire retardant: Acts as neither a fuel, nor an accelerant
DIBT: Z-157.10-132



COMPATIBILITY: Before using any Marldon product, always try a small inconspicuous test area first.

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Chair castor testing: EN 425 compliant

Slip Resistance: BS 7976 –2: 2002 and DD CEN/TS 15676 and BS EN

In conjunction with: -

UK Slip Resistance Group Guidelines (UKSRG) issue 4 2011.

For further technical advice please contact Marldon Technical support on 01772 696600.

USAGE GUIDELINES

PREPARATION

On unfinished or sanded wood flooring

- The floor should be sanded to a professional standard.
- For final sanding use a 120 grit paper and a 100 screen.
- Remove all sanding dust. The surface must be clean, dry and free from all contamination.
- Prime the floor with MARLDON CERABASE FLOOR PRIMER before applying the lacquer.

For recoating already finished floors

- To be eligible for recoating, the existing floor must have been finished with a waterborne lacquer which must not have worn down to bare wood.
- Before recoating all traces of wax or polish must be removed and the floor must be thoroughly sanded using 120 grit paper and screened with a 100 screen.
- Remove all sanding dust and ensure that the surface is clean and dry.
- If the floor has been finished with anything other than Ceramaxx, we would recommend you perform a simple adhesion test on a small area before recoating the whole floor.

APPLICATION

- The lacquer and room temperature must be between 15°C (59°F) and 25°C (77°F). RH (Relative Humidity) must be between 40% and 60%.
- Shake the can well before opening.
- Mix the 0.45L bottle of hardener with the 4.5L can of lacquer, (or at a ratio of 1:10).
- Shake it well for 1 minute then allow it to stand open for 10 minutes before use to allow the reaction process to begin.
- Only mix as much lacquer as you need to complete one coat or to finish the job.
- Once the 2 components have been mixed the lacquer cannot be stored and reused.
- Make a roller tray out of the packaging box and the plastic bag, and apply the lacquer using a Marldon Lacquer Roller.

Normal Traffic:

On unfinished timber, apply 1 coat of MARLDON CERABASE PRIMER, screen if necessary and apply 2 coats of MARLDON CERAMAXX LACQUER.

For recoating already finished floors, apply 1 coat of lacquer.

Heavy traffic:

On unfinished timber, apply 1 coat of MARLDON CERABASE PRIMER, screen if necessary and apply 3 coats of MARLDON CERAMAXX LACQUER.

For recoating already finished floors, apply 2 coats of lacquer



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COVERAGE RATE

MARLDON CERAMAXX LACQUER will cover approx. 8-10m² per litre giving you 100-125g/m² per coat. Including the primer we would recommend approx. 350g / m² to 450g / m² depending on the usage of the floor.

DRYING TIME

For MARLDON CERAMAXX LACQUER allow 1-2 hours under normal drying conditions (20°C and 60% RH).

The finished floor will take normal foot traffic after 24 hours but remains susceptible to marking by furniture, carpets, rugs etc. until fully cured, approximately three days after finishing.

Do not use outside recommended temperature and humidity as this may affect the cure and drying times of the lacquer.

CLEANING

Clean tools in water. Never pour surplus floor finish down the drains, allow it to dry and dispose of it in accordance with local regulations.

STORAGE

Store at 5-25°C (41-77°F) and out of the reach of children. Do not allow the lacquer to freeze.

SHELF LIFE

Best before 1 year from date of manufacture in unopened original packaging, at recommended storage conditions.

HEALTH & SAFETY:

MARLDON CERAMAXX LACQUER is not harmful to personal health or the environment. Keep out of reach of children. Refer to safety data sheet for individual product information. In case of contact with skin, wash thoroughly with detergent. In case of contact with eyes, rinse immediately with plenty of water and consult a doctor.

MAINTENANCE

MARLDON CERAMAXX LACQUER is to be maintained using Marldon Floor Maintenance products including Marldon MXC770 Multi Cleaner. By maintaining a full maintenance programme the lifetime of the floor can be considerably extended.

INFORMATION

This data sheet is prepared by Marldon Technical Department.

The information contained in this technical data sheet is based on present knowledge and current national legislation.

The information provided is a guidance on usage, application, health and safety etc, it is not to be construed as a guarantee of technical performance or suitability for particular applications.



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