



MAXFLOOR®

COMFORT

RUBBER BINDER RESIN FOR SOFT PAVEMENTS AND PLAYGROUND AREAS

DESCRIPTION

MAXFLOOR® COMFORT is a transparent, one-component, solvent-free, aromatic polyurethane resin, specifically designed to be mixed with rubber granules (SBR, EPDM, etc), cork or wood in order to provide flexible membranes and soft pavements.

APPLICATIONS

- Playground areas, kinder garden, children’s games rooms, etc.
- Squares, walkways, footpaths, etc.
- Flexible and lightweight toppings on terraces, roofs, etc.
- Sport floors and soft pavements on asphalt or concrete substrates.
- Slopes on river side and artificial lakes.
- Tree pits.
- Production of preformed rubber tiles in manufacturing plants.

ADVANTAGES

- Flexible membrane with toughness and durability.
- Continuous and seamless floors.
- It provides an open porous substrate with permeability and reduces the risk of water ponds.
- Does not change the aesthetic finish of the original rubber.
- Provides floors with impact absorption and good acoustic isolation.
- Easy mix and application, with conventional concrete mixers.
- Non shrinking after cure.

- Solvent-free, non-toxic and non-flammable. Phthalate-free. Environment friendly.

APPLICATION INSTRUCTIONS

Surface preparation

Substrate must be levelled, sound, compacted, clean and with the enough mechanical strength for the expected traffic to load. Surface must be dry. It should not be exposed to raising damp. On old concrete, remove all damaged parts and loose particles to expose a structurally resistant substrate. Clean all traces of paint, dust, grease, efflorescence, gypsum, plaster, and mould release compounds. Apply one coat by brush or roller of epoxy primer **MAXEPOX® PRIMER-W** with consumption 0,3 kg/m².

Mixing

Rubber granules must be completely dry, clean, and free of fillers, dust, salts, or any other contaminants. Mix mechanically **MAXFLOOR® COMFORT** with the granules for 3-4 minutes in a concrete mixer until achieves a homogeneous mixture free of lumps. General guideline for mixing ratio of binder:granule is as follows:

	MIXING RATIO BY WEIGHT	
	MAXFLOOR COMFORT	GRANULES
Granule size from 1-4 mm	1	5
Granule size from 1-10 mm	1	7-10

Other mixes with different ratio binder:granule can be tested depending on size and shape of the granules used and the final properties required.

Apply immediately the mix by trowel without pressing too hard or by a straight edge, to the required layer thickness and depending on the size granule used.

Final compaction also can be done mechanically by trowelling machine. Avoid overworking the surface. Placing and finishing surface must be done within 30 minutes after mixing.

In case that a surface with less porosity finish is desired, optionally it can be applied a sealing topcoat of pure **MAXFLOOR® COMFORT** by brush or roller with consumption 0,3 kg/m² approximately.

Application conditions

Do not apply if rainfall, dew, condensation, or water contact is expected the first 24 hours. Do not apply below 10°C or if it is expected the first 24 hours. Do not apply on frozen surfaces.

Curing

Allow to dry 24 hours for opening to light pedestrian traffic, at 20 °C and 50% R.H. Full curing time will depend on temperature, humidity conditions and thickness layer, which can take from 48 to 72 hours. In case a shorter curing time is desired, it can be added the catalyst **MAXEPOX® CAT** for very fast putting-into service.

Cleaning

Tools and equipment should be cleaned immediately with **MAXSOLVENT®** after use. Once material hardens, it can be removed only by mechanical methods.

CONSUMPTION

For a 10 mm thickness layer, it is required from 8-10 kg of the mix **MAXFLOOR® COMFORT** with granules and depending on the shape and size granule used.

IMPORTANT INDICATIONS

- Do not add solvents or any other non-specified compound in the mix.
- Floor substrates should not be exposed to raising damp.
- It can change colour and shows a yellowing process if applied outdoor exposed to UV-rays. In case outdoor colour stability is desired, use the UV-stable version **MAXFLOOR® COMFORT SUPER**.
- For other uses not specified on this Technical Bulletin or further information, consult our Technical Department.

PACKAGING

MAXFLOOR® COMFORT is supplied in 25 kg drum and 200 kg drum, respectively.

STORAGE

Twelve months in its original unopened drum, in a dry and covered place protected from direct sunlight, humidity and frost, with temperatures between 10°C and 35°C. Storage above 35°C may result in an increase of viscosity of the resin.

SAFETY AND HEALTH

MAXFLOOR® COMFORT is a non-corrosive, non-flammable, and non-toxic product but eye and skin contact must be avoided. Use gloves and safety goggles. In case of eye contact thoroughly clean with clean water, but do not rub. In case of skin contact, wash affected areas with water and soap. If irritation persists, seek medical attention.

It is available Safety Data Sheet of **MAXFLOOR® COMFORT**.

Disposal of the product and its empty packaging must be made by the final user and according to local official regulations.

TECHNICAL DATA

Characteristics of the product	
Colour and appearance	One-component, transparent, aromatic polyurethane resin
Solids content, (% by weight)	100
Flash point	Non-flammable
Density, (g/cm ³)	1,05 ± 0,1
Application and curing conditions	
Minimum temperature for application and curing, (°C)	>10
Pot-life at 20 °C and 50% R.H., (h)	1
Curing time for light pedestrian traffic at 20°C and 10 mm thickness, (h)	24
Full curing time, at 20°C and 10 mm thickness, (h)	48-72
Service temperature, (°C)	From -40 to +80
Thickness/Mixing ratio/Consumption*	
Average thickness per layer, (mm)	10-20
Resin:granule mixing ratio, (by weight)	1:5
- Granule size 1-5 mm	From 1:7 to 1:10
- Granule size 1-10 mm	
Consumption of resin:granule mix per 10 mm thickness layer	8-10 kg

*This recommended ratio is for guideline only, and its can varies depending on size and shape of the granules.

GUARANTEE

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