Construct a sustainable future

CEMIMAX ULTRAMAX MS

High performance Adhesive with moisture vapor barrier and acoustic control for timber flooring installation

Description:

Ultramax MS is a one component high performance adhesive sealant based on Hybrid Silyl Modified Polymers. Ultramax MS provides the strength of polyurethane with a weathering resistance and shorter cure times of silicone. The properties that Ultramax MS is made up of is well suited as a adhesive sealant in the demanding building, construction and engineering industries which provides superb primerless adhesion to all Flooring materials commonly used in these industries. This innovative and environmentally friendly product cures quickly in ambient temperatures and retains excellent bond strength, elasticity and tear resistance over the years. It skins over in a short time resisting dust and dirt pickup and can be applied in thick layers without shrinking or bubbling. Ultramax MS will not stain and is very compatible with commonly used flooring systems. It will not yellow or crack or show signs of aging when exposed to adverse weather conditions and harsh UV radiation. Ultramax MS does not contain solvents, is ocyanates and silicones.

Product Properties:

- Fast curing
- No carcinogens
- Bulit in moisture barrier
- Acoustic properties
- Highly flexible
- Great beading stability
- Suitable for under floor heating
- Easy clean up

Product Properties/Benefits:

- Ready to use
- Excellent bond
- Very fast drying
- Carbon fibre technology
- Solvent-free

Technical Data:

Consistency:	creamy paste
Colour:	beige, brown
Density (g/cm^3):	1.40
Dry solid content (%):	100

APPLICATION DATA (at +23°C and 50% R.H.)	
Application temperature range:	from +10°C to +35°C
Open time (skin formation):	1 + hour
Opening time:	30~40 minutes
Working time:	60 minutes
Walk on:	after 6~8 hours
Sanding of floors:	after 48 hours
Coverage:	800-1000g/m^2
Adjustability time:	1 hour
Set to light foot traffic:	after 12 hours
Sanding processes:	after 48 hours
FINAL PERFORMANCES (7 days at +23°C)	
Wood-concrete bond strength (N/mm^2):	>2.0
Wood-ceramic bond strength (N/mm^2):	>1.0
In service temperature range:	from -10°C to +70°C

Substrate Preparation:

cracks and free from materials (dirt, oil, grease) that would impair adhesion. Cement and calcium sulphate screeds must be abraded and vacuumed. Test the substrate in accordance with applicable standard or notices and report any deficiencies. Any adhesion-reducing or unstable layers, e.g. release agents, loose adhesives, compounds, covering or paint residues, etc. must be removed, e.g. by brushing, abrading, grinding or shot-blasting. Thoroughly vacuum loose material and dust. Priming is not necessary on standard, dry substrates suitable for wood flooring (cementitious or precast screeds).

Application:

- Before use, allow the adhesive to come to room temperature. Pull off the foil cover after opening and remove any surface skin if necessary. Do not mix the skin in.
- Apply an even coat of adhesive onto the substrate using a suitable notched trowel. Do not apply more adhesive than can be laid with good transfer onto the back of the wood flooring within the working time. Press down the wood flooring element well.
- Hardened adhesive can only be removed mechanically.

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Application Recommendation:

Trowel all over. We recommend a B3 (3mm) trowel over Plywood or Particleboard and a B5(5mm) for direct stick to concrete.
For Moisture Seal and Vapour Barrier use a B5mm or 5mm V-Notched trowel and ensure full coverage.
Place timber onto Adhesive immediately after application.

Easy Clean Up Formula:

For uncured product use Eucalyptus oil or mineral spirits. For cleaning timber, use cleaning agents recommended by floor covering manufacturer. For cleaning of cured product use a scraper carefully to avoid damage to timber then use mineral spirits.

Product Properties:

- A shelf life of 9 months when stored in moderately cool conditions, in the original packaging. Frost-resistant down to -25 °C. Carefully and tightly reseal opened containers with the foil and use the contents quickly. Allow containers to come to room temperature before use.
- Best applied between 18 - 25 °C, with the floor temperature above 15 °C and relative air humidity below 65%. Low temperatures and low air humidity lengthen the working and drying time. Whilst high temperatures and high air humidity shorten the working and drying time.
- The substrate must be even when installing large-size elements. Observe the manufacturer specification if necessary.
- Minimum thickness of any levelling compound below the adhesive is 2 mm.
- Observe good drying of the levelling compound.
- The substructure of wooden floors must be dry. Adequate ventilation or rear-ventilation must be provided, e.g. by removing the existing expansion strip or by installing special skirtings with ventilation holes.
- Observe standard wood humidity.
- Observe adequate and uniform distance to rising components, depending on type of wood flooring and room size.
- Ready for grinding and surface treatment after 24 hours, with standard wood humidity, air humidiy and sufficient acclimatised wood flooring.
- Follow the generally acknowledged rules of the trade and technology for the installation of wood flooring in respective of the applicable national standards (e.g. EN, DIN, OE, SIA, etc.)

Protection of the workplace and the enviroment:

Solvent-free. Non flammable. Contains diphenylmethanediisocyanate (MDI). Harmful on inhalation. Irritating to eyes, respiratory system and skin. There is limited evidence of a carcinogenic effect for respirable vapours of MDI. Harmful: May cause damage to organs through prolonged or repeated exposure. May cause sensitisation by inhalation and skin contact. Provide good ventilation. Use barrier cream, protective gloves and safety-goggles. After contact with skin, wash immediately with plenty of water and soap. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Observe safety information on product label as well as safety data sheet. Once cured, has a neutral odour and presents no physiological or ecological risk.

Disposal:

Where possible, collect product residues and re-use. Do not allow to get into drains, sewers or ground. Empty paper packaging is recyclable. Collect waste product, mix with water, allow to harden, then dispose as Construction Waste.