

MasterTop[®] 1221A

Aggregate based decorative, seamless, epoxy flooring system

DESCRIPTION

MasterTop 1221A is a seamless floor system based upon advanced solvent-free clear epoxy resin incorporating graded coloured aggregates. **MasterTop 1221A** is applied at thicknesses between 1.0-3.0mm and is available either smooth or profiled. The degree of slip resistance can be varied to suit differing service conditions and cleaning requirements.

TYPICAL APPLICATIONS

MasterTop 1221A is recommended for floors where a durable slip resistant surface, combined with a decorative aspect, is required and where mechanical abrasion and chemical spillage could be the cause of floor damage. It is ideal for floors in:

- Showrooms and shopping centres
- Food and beverage industry
- General production and packaging areas
- Industrial and commercial kitchens and catering facilities
- Wet processing and production areas
- Shower and changing room areas
- Office and commercial buildings
- Schools and hospitals
- Hotels

ADVANTAGES

- Good wear and abrasion resistance
- Good chemical resistance
- Impervious, seamless and jointless for hygienic applications
- Highly decorative

PACKAGING

MasterTop P 650	15kg
MasterTop 1200	15kg
MasterTop F11	25kg
MasterTop TC 442W Clear	10kg

TYPICAL PROPERTIES* (FULL SYSTEM)

Cured at 7 days @25°C	
Flexural strength ASTM C580	> 35 N/mm ²
Bond strength N/mm ²	> cohesive strength of good quality concrete
Abrasion resistance (ASTM D4060)	150 mg
Tensile strength ASTM C307	> 25 N/mm ²
Compressive strength ASTM C579	> 75 N/mm ²

Prior to application, **MasterTop 1221A** (epoxy based components) should be stored under cover in an air-conditioned environment and protected from extremes of temperature which may cause inconsistent workability, finish and cure times for the mixed material.

For comprehensive instructions on surface preparation and materials application please refer to our latest **MasterTop 1221A** Method Statement.

CLEANING

Clean tools and equipment first with paper towels or rags, then wipe using a suitable thinner (Xylene / MEK / Acetone) before the resin system hardens.

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ESTIMATING DATA

For thickness 1.0-2.0mm

Stage	System	Product	kg/m ²
1	Primer	MasterTop P 650	0.15-0.30
2	Basecoat	MasterTop 1200	0.15-0.20
3	Broadcast Aggregate	MasterTop F11	1.0-2.0
4	Sealer	MasterTop 1200	0.15-0.30
5	Matt Sealer *optional	MasterTop TC 442W Clear (1-2 coats as required)	0.10-0.12

* For greater thickness the above procedure may be repeated (steps 2-4 only)

STORAGE AND SHELF LIFE

All components of **MasterTop 1221A** can be kept for 12 months from date of manufacture if stored in original unopened packaging, in a dry enclosed place without exposure to direct sunlight at temperatures between 15-35°C.

HEALTH AND SAFETY

MasterTop 1221A contains certain chemicals which can cause skin irritation if exposed and respiratory reaction if inhaled. Wear gloves, masks and use hand barrier cream while handling the product. Wash thoroughly after handling.

Should skin contact occur, wash immediately with soap and water or an effective hand cleaner.

In case of accidental eye contact, wash with copious quantity of water and immediately seek medical advice. If ingested, do not induce vomiting. Consult doctor immediately.

Vapours of solvents used for cleaning can be irritating. It is therefore recommended that cleaning be done in well ventilated areas.

For detailed Health, Safety and Environmental Recommendations, please consult and follow all instructions on the product Material Safety Data Sheet.

Fire: Keep away from sources of ignition. Do not smoke whilst handling the product.

Flash point: 110°C.

QUALITY AND CARE

All products originating from Master Builders Solutions Dubai, UAE facility are manufactured under a management system independently certified to conform to the requirements of the quality, environmental and occupational health & safety standards ISO 9001 and ISO 14001.

* Properties listed are based on laboratory controlled tests.

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STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this Master Builders Solutions publication are based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use.

NOTE

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