

1.0 Description:

- BLACK MAGIC is a cement base adhesive dry mortar, just add water.
- Non-sag mortar after mixing & can be used on verticals, soffits & floors.
- Long pot life.
- High adhesion to substrate.

2.0 Uses:

- Used for fixing porcelain, ceramic, marble tiles, on cement substrata as concrete, plaster, screed, etc.
- Used for fixing porcelain, ceramic, marble tiles on non-porous substrata like ceramic.

3.0 Approval & Certification:

Maybe available upon request

4.0 Colours:

BLACK Cementous colours.

5.0 Product Data:

Binder	:	Hydraulic & synthetic resins
Density on wet (BLACK)	:	1.8 gm/ml
Pull off to Steel	:	> 1.4 N/mm ²

6.0 Consumption and film Thickness per coat:

Consumption	:	1.8 kg/m ² /1mm
For thickness from 2m-4mm	:	3.5 – 7.0 kg/m ²

Note: Consumption and film thickness depend on the application system, surface conditions and the dimensions of the applied tiles.

7.0 Surface Preparation:

- Any substate treatment shall be removed before application.
- Substrata should be cleaned from oil, grease, dust, etc.
- Substrate surface temperatures are above 10°C and lower than 40°C,
- Damaged areas shall be repaired using suitable mortar.
- Wet substrate before application.

8.0 Application Methods:

1. Put ~5.00 litres of water in a large vessel and add 25 kg of BLACK MAGIC, mix mechanically or manually.
2. Leave for 5 minutes then repeat mixing again, add water if required.
3. BLACK MAGIC is to be applied with thickness from 2mm - 4mm to the surface with a notched trowel (ensure that the thickness of the BLACK MAGIC layer is appropriate to the tile dimensions and roughness of substrate).
4. Twist while pressing the tile into substrate till maximum adhesion is achieved.
5. Use temporary plastic support (spacers).
6. Remove excess BLACK MAGIC using a wet sponge.
7. Clean joints to be ready for accepting its grouting mortar.



8. Clean tools immediately after application using water.

Notes:

- *Temperature of the substrate should be min 10°C and below 40°C.*
- *Recommended to damp the surface using water, especially in summer.*
- *Good ventilation should be ensured*
- *The ratio of water should be the same for every bag to maintain the consistency of the paste.*

9.0 Weight and Product mixing Ratio by weight:

Water mixing ratio %	: 18±2%	by weight
Container of Powder component	: Double Sealed plastic bags	
Total weight	: 25	kg

Notes:

- *Slow Mechanical Mixing is recommended*
- *Mixed component and water should be transferred to a third container and remixing should take place to reach ultimate results.*

10.0 Pot life, Drying and curing time:

Pot Life	: 30 min at 24°C
Touch Dry	: 30 min
Hard Dry	: 1-2 Hours
Initial Curing Time	: After 24 hours of mixing.
Final Curing Time	: After 28 days at ambient temperature.
Recoating	: after 24 hours

11.0 Disclaimer:

- The information in this document is given to the best of our knowledge, based on laboratory testing and practical experience. We cannot guarantee anything but the above-mentioned quality of the products themselves. Minor product variations may be implemented to comply with local requirements. We reserve the right to change the given data without further notice. Users should always consult us for specific guidance on the general suitability of this product for their needs and specific application practices.
- Samples of any approved delivered materials shall be retested after delivery.
- These products are for professional use only. The applicators and operators shall be trained, experienced and have the capability and equipment to mix/stir and apply the coatings correctly and according to our technical documentation. Applicators and operators shall use appropriate personal protection equipment when using this product. This guideline is given based on the current knowledge of the product. Any suggested deviation to suit the site conditions shall be forwarded to our responsible representative for approval before commencing the work.

12.0 Handling of Cement Products:

- Avoid contact with eyes and skin. Emergency showers and eyewash stations should be readily accessible.
- Adhere to work practice rules established by government regulations.
- Use personal protective equipment.
- When using, do not eat, drink, or smoke.

13.0 Compatibility:

- Primers applied prior to specified product shall always be acrylic or cement-based products.

14.0 First aid Measures:

- General advice: Seek medical advice. If breathing has stopped or is laboured, give assisted respirations. Supplemental oxygen may be indicated. If the heart has stopped, trained personnel should begin cardiopulmonary resuscitation immediately.
- Eye contact: Hold eyelids apart, initiate and maintain gentle and continuous irrigation until the patient receives medical care. If medical care is not promptly available, continue to irrigate for one hour.
- Skin contact: Immediately remove contaminated clothing, and any extraneous chemical, if possible, to do so without delay. Initiate and maintain gentle and continuous irrigation.
- Take off contaminated clothing and shoes immediately.
- Ingestion: Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.
- Inhalation: Move to fresh air.

15.0 Storage:

- Store above ground and surrounded by dikes to contain spills or leaks.
- Do not store in humid or extra hot weathering conditions.
- Keep containers tightly closed away from heat & In dry, cool, and well-ventilated place.