YASMO MISR
CHEMICALS FOR CONSTRUCTION

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MISR MIX

TECHNICAL DATA SHEET

1.0 Description:

- MISRMIX is cement base, dry mix mortar formulated for external & internal finishing.
- One component polymer-modified cementitious base powder.
- Supplied in different colours.
- Gives high desirable textures.
- The product has relative specifications compatible to cement substrate.
- Comes in different types (TYPE 0,1,2,3 & 4) according to aggregate size that determines the required finishing.

2.0 Uses:

External & internal decorative finishing mortar for facades, cement and concrete substrate.

3.0 Approval & Certification:

Pull off Strength to concrete	: ASTM D7234
Weathering Resistance	: ASTM G154

4.0 Colours:

Shall be produced in different colours according to color chart or as required.

5.0 Product Data:

Binder	: Hydraulic & Synthetic resins.
Density on wet	: 1.75 gm/ml
Pull off Strength to concrete	: 1.27 N/mm^2
Weathering Resistance	: No Cracks, $\Delta E = 0.87$
Water Resistance	: No blistering, chalking, cracking or change in color
Alkali Resistance	: No blistering, chalking, cracking or change in color
Washability	: >1000

6.0 Film Thickness:

Film Thickness	: 1.0 – 2.5	mm
Aggregate size	: 1.0 – 2.5	mm according to aggregate size

Note:

- *Above film thickness depends on application system and customer requirements*
- *Different aggregate sizes determine MISR MIX type (TYPE 0,1,2,3 & 4)*

7.0 Consumption per coat:

Consumption	: 1.7 – 4.5	kg /m^2

Note: Above consumption depends on customer aggregate size requirements.

8.0 Surface Preparation:

- Any substate treatment shall be removed before application.
- Substrata should be cleaned from oil, grease, dust ....
- Spelled concrete should be cut back until reach sound concrete and repaired with suitable repairing mortar.
- Substrate surface temperatures are above 10°C and lower than 40°C,

- Damaged areas shall be repaired using the suitable mortar.
- Wet substrate before application.

9.0 Application Methods:

1. Clean the surface from loose particle, oil, grease, or any foreign materials.
2. Repair all cracks before application using CRETEREP 30P or CRETEREP 70P.
3. Apply Primer MISR SEAL to increase adhesion to smooth substrate, if needed.
4. Put the water (5.5-6.0 Lit / 25kg powder) in a suitable container, then add MISRMIX gradually.
5. Mix well for at least 3min, repeat mixing every now and then.
6. Mix only the quantities required for application within 30 min.
7. Apply MISRMIX with steel trowel with proper thickness.
8. Rub the surface finishing with a sponge or wooden rough tool.

Notes:

- *Temperature of the substrate should be min 10°C and below 40°C. R*ecommended 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 homogeneity of color.*

10.0 Weight and Product mixing Ratio by weight:

Water / cement %	: 22%	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*

11.0 Pot life, Drying and curing time:

Pot Life	: 30 min at 24^{0}C
Surface Dry	: 1 hour
Hard Dry	: 6 Hours
Initial Curing Time	: After 24 hours of mixing.
Final Curing Time	: After 28 days at ambient temperature.
Recoating	: after 24 hours

12.0 Recoating:

Usually, MISRMIX is applied as one-shot coating but if recoating is needed pls consider:

- Duration between any two successive coats should be at least 24 hours
- Recommended to recoat with the same base type of previously applied paint
- In case of multi-coat application, drying times will be affected by the total thickness
- The surface should be dry and free from any contamination prior to application of the subsequent coat.

13.0 Disclaimer:

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- 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.

14.0 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.

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

16.0 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.

17.0 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.