

MasterSeal[®] P 627

Two component solvent free epoxy resin primer for concrete surfaces.

DESCRIPTION

MasterSeal P 627 is two component, solvent free, epoxy resin based primer.

MasterSeal P 627 is specific designed as primer for MasterSeal Bridge 5000 waterproofing system series

FEATURES AND BENEFITS

- **Excellent Adhesion:** Helps in making the build-up system Monolithic.
- **Excellent impregnation property:** Can penetrate substrate well.
- **Suitable for sand broadcast** - Improved shear strength with waterproofing membrane layer

TECHNICAL DATA

Consumption	0.25~0.5 kg/m ²
Mixing Ratio (weight ratio)	Part A: Part B=3:1
Mixture density (20°C)	1.08g/cm ³
F5 Sand broadcast amount	0.7-1.2kg/m ²
Pot life (23°C)	about 40 min
Recoating interval	~ 8 hours @ 30°C ~ 10 hours @ 15°C ~ 20 hours @ 5°C

Items	Curing Tem, °C	Results	Test method
Adhesion on concrete (N/mm ²)	-30	2.46	JHS-425
	23	2.40	
	50	2.20	
Crack impregnation	23	2.42	JHS-426

APPLICATION

Substrate preparation:

All substrates (new and old) must be structurally sound, dry and free of laitance and loose particles. Clean oil, grease, rubber skid marks, paint stains and other adhesion impairing contaminants. Mechanical surface profiling by grit or shot blasting are the preferred preparation methods.

After surface preparation the tensile strength of the substrate should exceed 1.5 N/mm². The residual moisture content of the substrate must not exceed 4 % (check with e.g. CM device). The temperature of the substrate must be at least 3 K above the current dew point temperature.

MasterSeal P 627 is supplied in working packs which are pre-packaged in the exact ratio. **DO NOT MIX BY HAND.** Mix with a mechanical drill and paddle at a very low speed (ca. 300 rpm) for at least 3 minutes. Scrape the sides and the bottom of the container several times to ensure complete mixing.

Apply **MasterSeal P 627** with a roller, brush, squeegee, or spray etc. After applied **MasterSeal P 627** then broadcast sand.

Please maintain an appropriate curing temperature as curing time will be postponed at low temperature environment.

After confirming the curing, apply the waterproofing membrane by following recoating interval time.

ESTIMATING DATA

Consumption of the mixed **MasterSeal P 627** is dependent on the surface porosity and roughness. On average quality substrate, typical consumption will be 250 kg/m².

PACKAGING

Part A: 12kg/pail Part B: 4kg/pail

PRECAUTIONS

1. While handling the material, please wear protective mask, protective goggle, rubber gloves and other protective facilities.
2. In a closed space of working site, please ensure adequate ventilation.
3. Please store the main agent and hardener at an airtight, dry, cool and dark place, and keep away from children.
4. In case of eye contact, immediately wash your eyes with clean water, then accept professional medical treatment.
5. In case of skin contact, immediately wash your skin with limewater, then accept professional medical treatment if necessary. Do not clean with organic solvent.

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For the full health and safety hazard information and how to safely handle and use this product, please make sure that you obtain a copy of the Master Builders Solutions Material Safety Data Sheet (MSDS) from our office or our website.

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