



# WONDERPLUG

## TECHNICAL DATA SHEET



### PRODUCT DESCRIPTION

**WONDERPLUG** is a dry powder which needs only the addition of water to produce a rapid setting mortar for plugging purpose. It is designed to seal leaks in running water where conventional mortars would be washed away. It is ideal to seal leaks prior to application of waterproof renderings in basement. Upon setting, the product develops excellent structural strength and water tightness.



### RECOMMENDED APPLICATIONS

- ✓ Patching concrete and mortars
- ✓ Stopping leaks
- ✓ Repairing concrete pipe and precast concrete
- ✓ Repairing honeycombs, cracks and water retaining structures
- ✓ Anchoring of bolts and fixtures
- ✓ Filling holes



### ADVANTAGES

- ✓ fast setting, stops leaks quickly
- ✓ low porosity of the patch ensures permanence of the repair
- ✓ chloride free, no risk to steel reinforcement
- ✓ stable: similar thermal capability as parent concrete



### PRODUCT INFORMATION

Appearance/Color: Dark Gray  
Shelf Life: 12 months  
Storage Conditions: Store in a cool, dry place  
Maximum Grain Size: 0.25 mm  
Mixing Time: 45 sec  
Setting Time: 1 min and 12 sec  
Hardening Time: 3 mins



### TECHNICAL INFORMATION

Paste Density: 2 – 2.5 kg/L  
Pot Life: 1 min  
Compressive Strength: 3,100 psi at 3 days



### LIMITATIONS

WONDERPLUG is a rigid waterproofing mortar which does not offer a factor of elasticity. Therefore, the waterproofing system still needs support from a flexible membrane such as AQUAFLEX 100.



### ENVIRONMENT

Our facility complies with the proper waste management procedures. Our products are also free of ozone depleting substances.



### APPLICATION INSTRUCTION

#### SURFACE PREPARATION:

Surfaces should be brushed clean to remove loose material, dust and laitance. Areas to be patched should be cut back to a depth of 20mm and given a good mechanical key. Feather edges must not be allowed. Allowance should be made for wastage when estimating. All surfaces must be damped down with clean water just prior to application of **WONDERPLUG**.

#### MIXING:

Mix 1-part water to 2 parts **WONDERPLUG** by volume. Due to rapid setting, use only the quantity which can be placed within the prescribed time.

#### APPLICATION:

Apply the mixed **WONDERPLUG** in place, ensuring maximum contact with the substrate before the material sets. If being used to plug a running water leak, the mixed **WONDERPLUG** should be held in place until it reaches initial set

#### CURING

**WONDERPLUG** is fast is a rapid setting and ultra-curing compound, capable of waterproofing for even a wet substrate in seconds. Time may vary according to ambient temperature. Standard concrete curing procedures should be followed to prevent rapid water loss and consequent loss of strength.



### COVERAGE

15-18 linear meter per 25kg bag. Coverage figures are theoretical and due to wastage factors and the nature of possible substrates, practical coverage will be reduced.



### HEALTH & SAFETY

A dust mask should be used when handling **WONDERPLUG**. Gloves should be worn during application. **WONDERPLUG** is non-flammable



### QUALITY & DURABILITY ASSURANCE

Our stringent Quality Assurance Procedure for every batch of products manufactured. Our R&D Laboratory based in our production facility ensures that scientific Quality Control Parameters are measured for quality.

Our Quality Control Parameters ensure the stability of our products, ensuring the long-term durability amid exposure to various element and weather conditions.



### SUSTAINABILITY

Our company is committed to Carbon Neutrality thru our various programs such as our GHG Emission Reduction Logistics Approach and OPTI Trees Planting Program.

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