

Description

Galaxie PREMIX is a single-component crystalline waterproofing slurry for concrete. Supplied as a dry powder requiring only the addition of clean water on site, it can be used as a standalone damp-proofing treatment or as a second coat over Galaxie WP Concentrate where a two-coat system is specified. Applied as a second coat, PREMIX chemically reinforces the crystalline layer and produces a harder surface finish.

PREMIX prevents water and liquid penetration from any direction by triggering a catalytic reaction with free lime and moisture in the concrete capillary system, forming insoluble crystalline complexes that permanently block capillaries and pores. The treatment becomes an integral part of the substrate and cannot puncture, tear or delaminate.

Benefits

- Resists hydrostatic pressure exceeding 7 bar at 28 days
- Becomes an integral part of the concrete substrate cannot puncture, tear or come apart
- Breathable allows water vapour to pass while blocking liquid water
- Resistant to aggressive chemicals
- Non-toxic and potable water approved
- Can be applied to damp surfaces does not require dry weather or a dry substrate
- Can be applied to positive or negative side of concrete
- No surface priming or levelling required prior to application
- No sealing, lapping or finishing of seams at corners, edges or joints required
- Does not require protection during backfilling or placement of steel, wire mesh or other materials
- Permanent

General Application

- Reservoirs
- Sewage and water treatment plants
- Secondary containment structures
- Tunnels and underground structures
- Foundations and basement walls
- Parking structures
- Swimming pools

Technical Data

Galaxie PREMIX	
Potable water approved	Yes
Withstand water pressure @ 28 days	>7 bar
Colour	Cement grey (white and buff on request)
Bulk Density (approx)	1.3 kg/L
Setting Time	<45 minutes
All technical data based on laboratory testing	

Application Guidelines

Surface Preparation

Concrete must be clean with an open capillary system. Remove laitance, dirt and grease by high-pressure water jetting, wet sandblasting or wire brushing. Faulty concrete including cracks and honeycombing must be chased out, coated with PREMIX and filled flush with a suitable repair mortar. Dampen the surface thoroughly prior to application the substrate must be damp but with no free-standing water. **PREMIX is not a decorative material.**

Mixing

Pour water into a clean mixing vessel then gradually add the WP Concentrate powder while mixing with a low-speed paddle mixer until a consistency of thick oil paint is obtained. Mixing ratio is 5 parts WP Concentrate to 2 parts water by volume (approximately 5–7 litres per 20 kg bag for slurry application). Mix only the quantity that can be applied within 20 minutes. Stir frequently during use. If the mix begins to set, re-stir to restore workability do not add additional water.

Application

Slurry coat Apply one or two coats by masonry brush or power spray. Where two coats are specified, apply the second coat while the first is still green.

Post-treatment curing Once PREMIX has reached initial set, moist-cure with a fine fog spray of water 2–3 times per day for three days. In hot or windy conditions cure more frequently. Protect from rainfall, frost and standing water during the curing period.

Coverage Rates

Substrate / Situation	Rate (kg/m ²)
Surfaces to be backfilled — 1st coat	0.75
Surfaces to be backfilled — 2nd coat	1.00
Water-retaining structures — internal walls (2 coats each)	0.75
Hardened concrete slabs — single slurry coat	1.00
Normal surface conditions (each coat)	0.75–0.80

Limitations

- Do not apply at substrate or air temperatures below +5°C
- Cannot be used as an additive to concrete or plaster
- Not a decorative finish must be protected or covered where exposed
- Do not add water to restore a mix that has begun to set re-stir only
- Protect fresh coating from rainfall, frost and standing water during the 3-day curing period



Packaging

Galaxie WP Premix is supplied in 20 kg pails and 20 kg bags. Packaging size may vary subject to local regulations and requirements. Contact your local representative for alternative pack sizes.

Storage

Store between 10°C and 38°C in dry conditions out of direct sunlight. Shelf life is six months in unopened original packaging

Health & Safety

Galaxie WP Premix should only be used as directed. We always recommend that the Safety Data Sheet is carefully read prior to application. Our recommendations for protective equipment should be strictly adhered to for your personal protection. Please contact your local Galaxie representative for the current SDS.

