

Description

Galaxie Admix is an advanced crystalline technology admixture formulated to waterproof and protect concrete structures. Added during batching, the admixture reacts chemically within the concrete mass to create insoluble crystalline formations that block capillaries and fine pores. The result is an integral waterproofing barrier that remains effective for the life of the concrete.



Benefits

- Exceptional durability
- Ensures maximum waterproofing performance of concrete.
- Maintains integrity under hydrostatic pressure exceeding 7 bar.
- Provides long-term durability across wide temperature variations.
- Minimizes shrinkage and crack formation.
- Shields against certain aggressive agents including chloride-induced corrosion of steel reinforcement.
- Self-seals static cracks up to 0.4 mm.
- Formulated in accordance with AS 1478.1-2000.
- Cost-effective integral waterproofing solution.

General Application

- Tunnels
- Basements
- Water-retaining and substructural concrete elements
- Housing
- Marine applications
- Water Tanks
- Reservoirs
- Water retaining structures

Technical Data

GALAXIE Admix	
Chloride Permeability (ASTM 1202-94)	Very Low <525
Water Permeability (Din 1048.5)	<1mm
Shrinkage (AS 1012-13) 28 day	<600 Microstrains
Water Absorption SS78-A22	<1.8%
Chloride Permeability (ASTM 1202-94)	Very Low <525

All technical data stated herein is based on tests carried out under laboratory conditions at 25°C



Application Guidelines

For waterproofing concrete, for optimum waterproofing, add WP Admix at a dosage of 0.8%–1.2% by weight of cement. For applications requiring enhanced chemical resistance, contact Tam Australia Technical Services for dosage recommendations. The admixture should be introduced into the concrete during batching. Mixing sequence may vary depending on the type of batch plant and equipment used.

Ready Mix Plant - Dry Batch Operation

Add WP Admix in powder form directly into the drum of the ready-mix truck. Load 60–70% of the required water and approximately 140–230 kg of aggregate. Mix for 2–3 minutes to ensure uniform dispersion. Complete batching by adding the remaining materials in accordance with standard practice.



Ready Mix Plant - Central Mix Operation

Prepare a thin slurry by blending 6–8 kg of WP Admix with approximately 10 litres of water. Introduce the slurry into the truck drum. The cement, water, and aggregates are then batched and mixed at the plant, taking into account the pre-added water. Mix for at least 5 minutes to achieve even distribution of the admixture throughout the load.

Precast Batch Plant - Pan Mixer

Combine WP Admix with the aggregate and mix for 2–3 minutes before adding cement and water. Continue blending until a uniform, homogeneous concrete mix is obtained.

Important: Never add dry WP Admix powder directly into wet concrete, as this may result in clumping and uneven dispersion. For project-specific advice, contact Tam Australia's technical department.



Curing

Normal practices for placing and curing concrete should be followed as laid out in your local standards

Packaging

Galaxie Admix is available in 10kg, 20kg Bags and 20kg Pail or 3kg water soluble bags.

Storage

Galaxie Admix should be stored at room temperature (min 5°C and max 40°C), kept dry and out of direct sunlight. If these conditions are maintained and the product packaging is unopened, then a shelf life of 1 year can be expected.

Health & Safety

Use only as directed. Refer to the Safety Data Sheet (SDS) for detailed handling and protective equipment guidelines. Ensure appropriate PPE is used during application

