DRYTREAT
Excellence in sealing products™

DRY-TREAT 100N™

PENETRATING SEALER FOR ENGINEERING CONCRETE

DRY-TREAT 100N™ is a penetrating, invisible and breathable sealer that provides long-term protection for engineering concrete from damage caused by water and chloride ion ingress.

30 YEAR WARRANTY*

- Protects against water and chloride ion ingress
- Highly water vapour permeable
- Deeply penetrating
- High alkali resistance
- Retains existing colour and finish
- Seals cracks up to 0.3mm
- Guards against efflorescence, freeze –thaw and alkali silica reaction
- Controls moss and mould
- Solvent free
- Provides long-lasting protection and comes with a 30 year warranty*

* Warranty valid after being applied with a Dry-Treat Accredited Applicator—please see product label for details.

For your nearest Accredited Applicator, please dial toll-free:

AUST	USA	UK
1800 675 119	1866 667 5119	0800 096 4760

www.drytreat.com

DRYTREAT

100N™ CASE STUDIES

The Sydney Opera House

Location: Sydney, Australia
Contractor: Andersal Engineering
Surface Material: Engineering Concrete

The Sydney Opera House was completed in 1973 and has a required service life of over 200 years. It is situated on Sydney Harbour, adjacent to the city's central business district and the structure is subject to both an aggressive urban and marine environment.

After a couple of decades a major up-grade was conducted by the Public Works Department of New South Wales, which included the use of a protective coating to much of the reinforced concrete elements. Dry Treat 100N was chosen as the premier impregnating sealer for this purpose on the market.

Measures to protect the ribs of the exposed pre-cast concrete shells were required because there had been a slow buildup of salt contaminants, especially in the exposed concrete of the most northerly shell. In some areas chloride ions had penetrated up to 10mm into the surface.

A means to reduce the future risk of contamination and corrosion of the reinforcement had to be found. It was important that the method employed would not damage the glass which forms the main view area of the Opera House. Ove Arups, the original engineering designers of the Opera House, decided to use a penetrating sealer that would act as a long lasting barrier to water and water-borne salts while remaining vapour permeable. The concrete was pressure washed to remove the loose surface matter, and allowed to dry. Two coats of DRY-TREAT 100N were then applied to the exposed concrete.

The final result is on-going protection that has not altered the appearance of the treated concrete in any way. Also, any overspray was easily washed off and did not affect the massive glass viewing windows.

Port of Mackay

Location: Queensland, Australia
Contractor: Mackay Port Authority
Surface Material: Engineering Concrete

The Mackay Port Authority manages in excess of $140mil of assets through its air and sea ports each year.

The berth area handles approximately 160 vessels, processing 2 million tons of goods, including grain, sugar, iron concentrates, fertilizer and chemicals. Berths 4 and 5 are made of reinforced engineering concrete. Berth 4 is 155m long, with 18.3 apron width and 8.5m above low water. Berth 5 is 165m long, with 20m apron width and 9.5m above low water.

The Port Authority were seeking a suitable treament to protect these valuable concrete structures from further ion ingress from salt water spray and extend its lifespan. The solution was a long lasting vapour permeable sealer to stop water borne salts from penetrating the concrete.

After washing the concrete structures to remove loose surface material and allowing it to dry, 2 coats of Dry Treat 100N were applied to all exposed areas. A total of 15,000 square meters was sealed. !00N is guaranteed to penetrate a minimum of 4mm and reduce chloride ion uptake by 95 percent. The treatment can be applied to new or old concrete, providing an excellent ion screen, being equal to over 100mm of extra concrete cover.