

# Invisi Shield®

Latest cutting edge technology, GuardIt Invisi Shield® is a non-decorative invisible penetrating anti-carbonation protective coating system designed and engineered for the superior protection of engineered concrete infrastructure.



This environmentally responsible, cost effective, water based, single pack protective coating system provides the highest possible degree of protection for bridges, tunnels, and metal road and rail barriers, marine and all other metal infrastructure.



## Superior Protection

GuardIt Invisi Shield® is a proactive solution to ensure the integrity and longevity of infrastructure, eliminating the need for costly repairs or premature replacement of damaged infrastructure, thus enabling the cost savings to be redirected into future economic growth and sustainability.

GuardIt Invisi Shield® penetrates deeply into new or existing concrete and masonry surfaces to form an extremely durable water and oil repelling coating. The resulting hydrophobic barrier prevents the intrusion of water and water-borne salts, carbon and sulphuric acids, thereby greatly reducing the damaging effects of moisture penetration into masonry and concrete, such as corrosion of reinforcing steel, salt leaching and freeze-thaw cracking. It protects concrete infrastructure by preventing water penetration within the concrete substrates and attacking the reinforcement steel, which causes concrete cancer leading to substantial damage and possible collapse of structure.

## Invisible Coating

GuardIt Invisi Shield® allows the substrate to breathe whilst allowing new concrete to cure. The invisible barrier formed below the surface is permeable to water vapour. It is an advanced, high performance, eco-friendly, water-based, coating specially formulated to protect porous surfaces from permanent damage caused by the ingress of water & moisture. It protects against staining, resists acids, alkalis, the effects of acid rain and carbon crusting.



## Product Benefits

- ✓ Low VOCs, environmentally friendly
- ✓ Reduces chloride ion salt attack (causing concrete cancer)
- ✓ Anti-carbonation protection
- ✓ Able to breathe so there is no build-up of subsurface moisture allowing it to dry out
- ✓ Deep penetrating-protecting against weathering and erosion
- ✓ Able to greatly reduce water uptake and minimise moss growth, freeze thaw, spalling and efflorescence
- ✓ Alkali resistant- won't breakdown in contact with cement-based materials
- ✓ Controls corrosion on reinforcing steel
- ✓ Long lasting protection for many years without re-coating
- ✓ Graffiti and solvent resistant
- ✓ Does not alter the visual appearance of the substrate
- ✓ Durable anti-graffiti protection
- ✓ User friendly, non-hazardous and non-flammable