Advantages

• Self-seals static hairline cracks up to 0.4mm
• Reduces shrinkage and cracking
• Resists freeze-thaw
• Protects reinforcing steel
• Environmentally-friendly - Non-toxic
• Reduces or eliminates water penetration
• Resists extreme hydrostatic pressure
• Highly resistant to abrasions and chemicals
• No VOC's
• Easy to use powdered material
• Permanent

How it Works

When added to concrete, the crystalline chemically reacts with water and un-hydrated cement particles to form insoluble needle-shaped crystals that fill capillary pores and micro-cracks in the concrete and block the pathways for water and waterborne contaminants. Any moisture introduced over the lifespan of the concrete will initiate crystallization, ensuring permanent waterproofing protection.

Applications

• Waste treatment facilities
• Foundations and basements
• Water containment structures - Marine structures, Dams and water reservoirs, Swimming pools
• Tunnels and subways
• Manholes
• Underground vaults
• Parking structures
• Elevator shafts