

Leroy Merlin Commercial Centre

Case study

Focus products: Intercrete® 4800, Intercrete 4820, Intercrete 4841

Location: Italy

Client: Eletecno SpA

Contractor: Rivestimenti Speciali SRL

Summary: Repair and protection of deteriorated underground fire water storage tank



Background

Planning Consultants Eletecno Spa, contacted Rivestimenti Speciali SRL concerning the inner lining of the buried concrete fire safety water storage tank located at the Leroy Merlin Commercial Centre.

The surface of the concrete tank was badly deteriorated, with spalling and cracks resulting in water leakage. The primary requirement was to repair and waterproof the tank as quickly as possible in order to restore legal working conditions and minimise the disruption of trade.

The solution

Structural repairs to large cracks and voids were carried out with Intercrete 4800, a high strength, low density mortar, whilst superficial cavities and honeycombing were reinstated with Intercrete 4820. Subsequently the entire surface was covered with a 2mm layer of Intercrete 4841, a waterproof coating which is fully compatible with the parent concrete. Intercrete 4841 is designed for constant immersion, and being water-based it is safe and easy to apply. Once cured, it gives excellent resistance to impact and abrasion.