



Waterproofing and Concrete Repair



Why HAMMERSMITH?

With a management team with over 30 years experience exclusively in the fields of repair and refurbishment, Hammersmith have the experience and the materials to solve all waterproofing and repair problems.

Repair and maintenance products and systems exclusively represented include:-

Vandex International – Concrete Protection and Waterproofing Products

DD Engineering Ltd – Epoxy and Polyurethane based Injection Systems

Liquid Plastics Ltd – Liquid Applied Roofing Membranes and External Façade Coatings

ECS Inc – Mechanical Expansion Joints, Seals and Jointing Systems

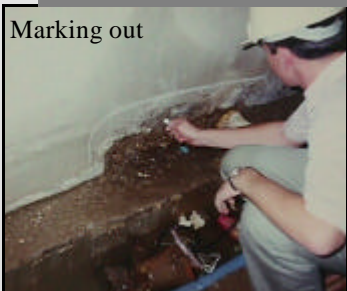
Densit a/s – The Densitop® Industrial Flooring System

**“SPECIALIST SOLUTIONS
FOR THE
CONSTRUCTION INDUSTRY”**

Typical Problems in Basement and Tank Construction :-

- 1 Failed repair attempt – lack of attention to the basic principals of concrete repair and good working practice
- 2 No attention to detail – leakage through / around beam bearing pad at block out
- 3 Poor preparation of formwork – wash out of concrete due to leakage into shuttering
- 4 Failed void grouting – lack of attention to the basic principals of concrete repair and good working practice
- 5 Water penetration through failed king post repair – lack of attention to the basic principals of concrete repair and good working practice
- 6 Failed construction joint
- 7 Water penetration at tie bar
- 8 Water penetration at day-work joints
- 9 Poor workmanship – incomplete concrete compaction / vibration
- 10 Failed repairs / poor workmanship lack of attention to the basic principals of concrete repair
- 11 Honey combing at kicker – shutter not cleaned prior to concrete pour
- 12 Incomplete encapsulation of penetration – poor attention to detail at shutter penetration / poor concrete vibration

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Marking out



Saw cutting



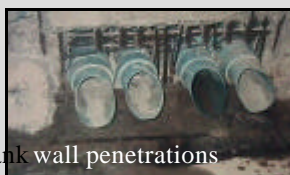
Saw cut repairs



Breaking out



Prepared repairs to tank wall penetrations



Preparation at leaking kicker joint



Hand patch repair



Hand patch repair



Hand patch repair



Hand patch repair



Hand patch repair



Grout pump repair



Base / waterproof repair complete



Base / waterproof repair complete



Complete repair

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