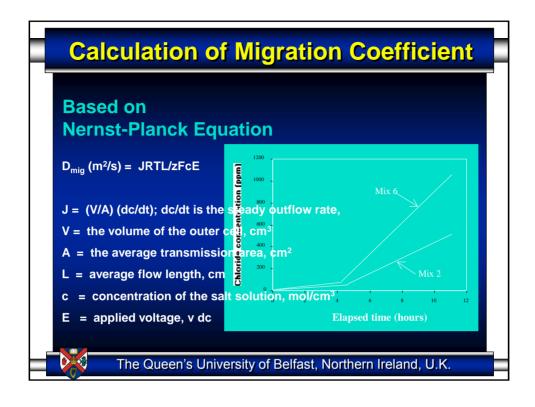
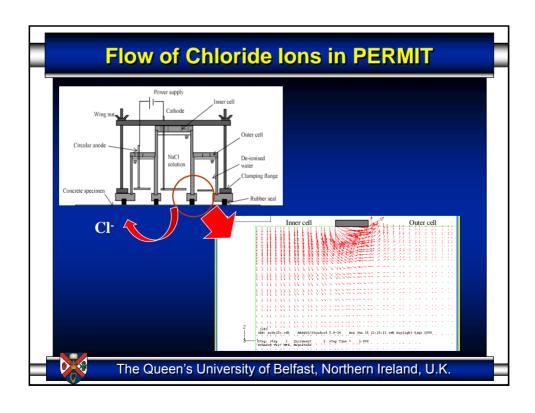


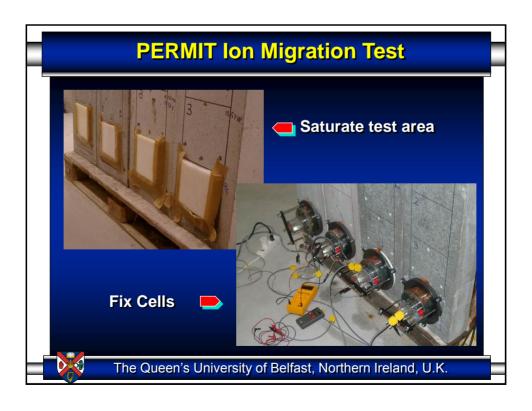
Summary				
Test method	Property obtained	Comment		
Diffusion cell	D _e or D _s	Long test duration		
Chloride profile/ penetration	D _a or D _{ns}	Changes with time		
Migration cells	D _{mig} or D _s	Damage by coring		
Conductivity tests	D _{mig} or D _{ns}	Damage by coring Limitations of test set up		
Charge measurement	D _{mig} Index	Not specific to CI ⁻ Influence of binder type		

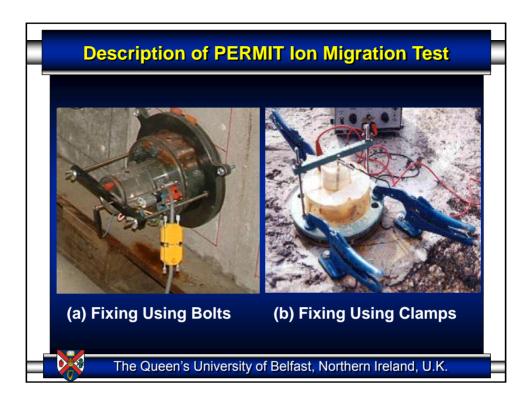


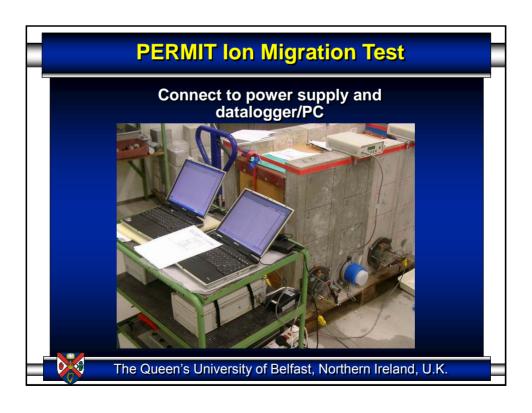


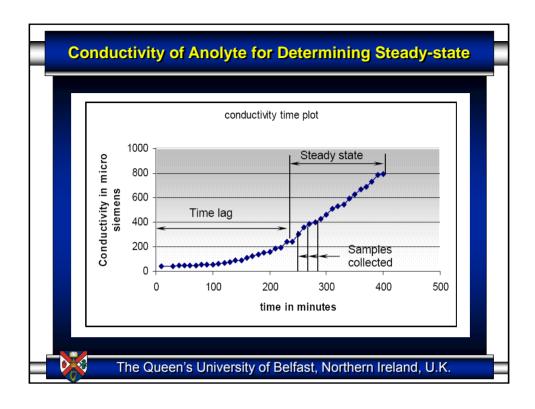


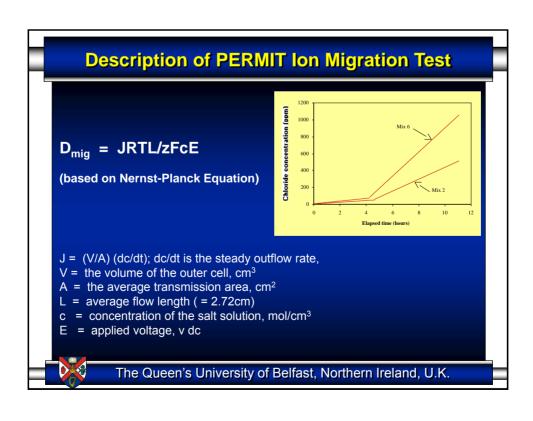




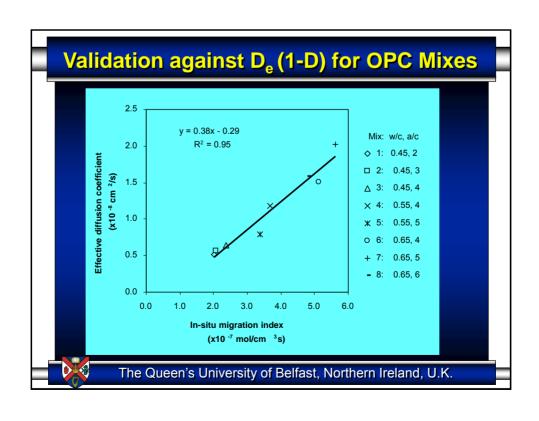


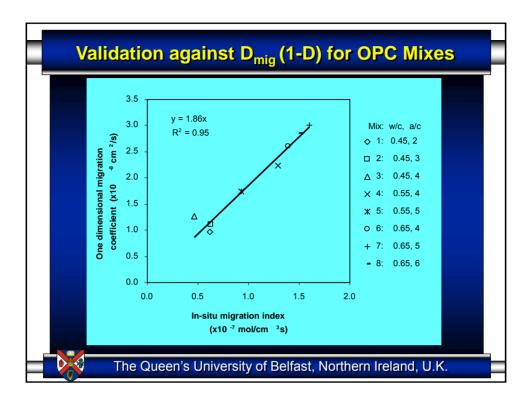


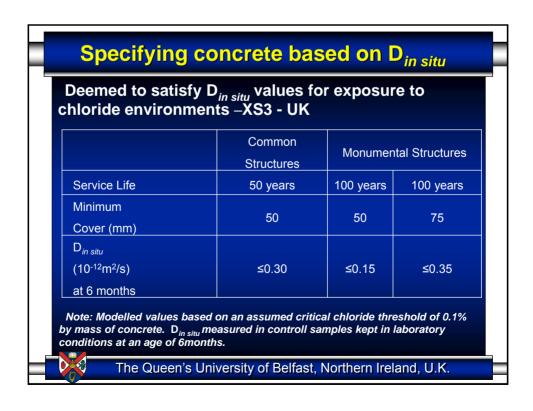


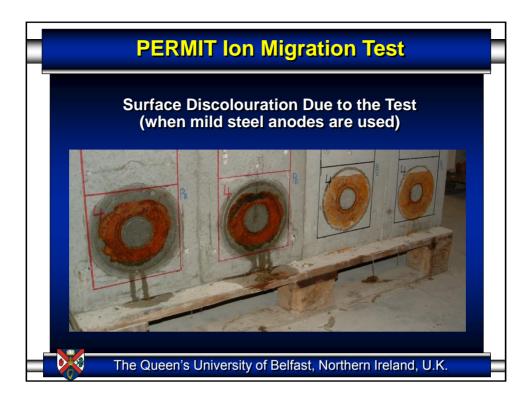


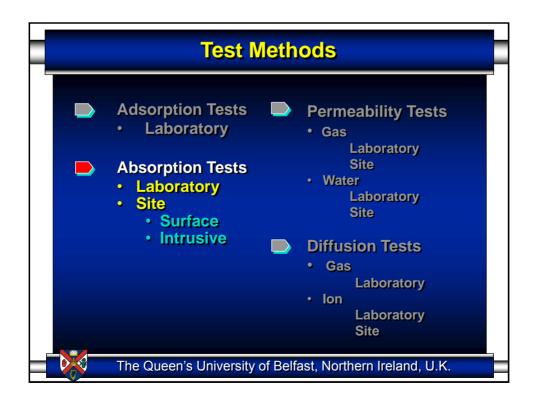
Assumptions Made in PERMIT Migration Test Concrete is saturated Chloride flux is ONLY due to electric field No buffer effect on migrating ions Medium stays neutral during the test The Queen's University of Belfast, Northern Ireland, U.K.

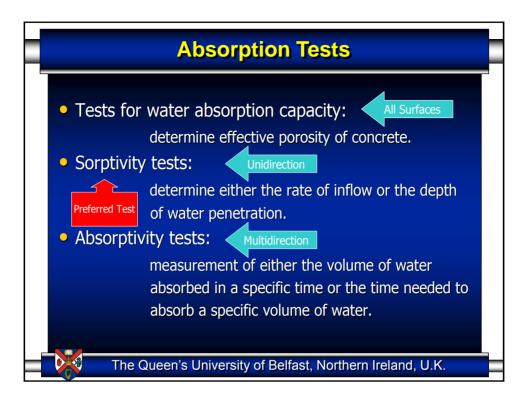




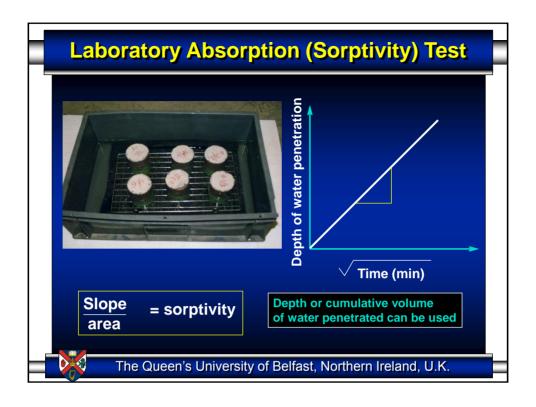


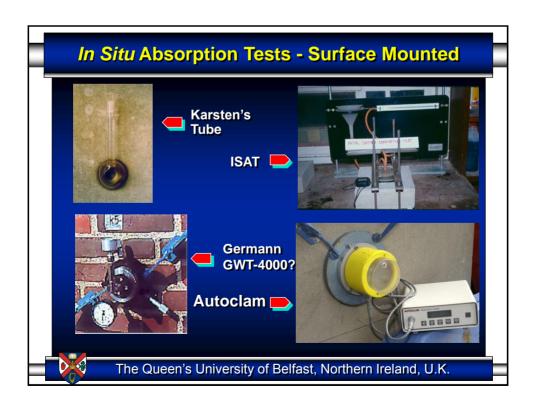


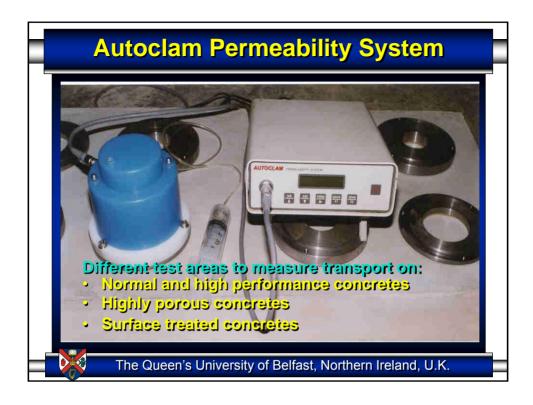


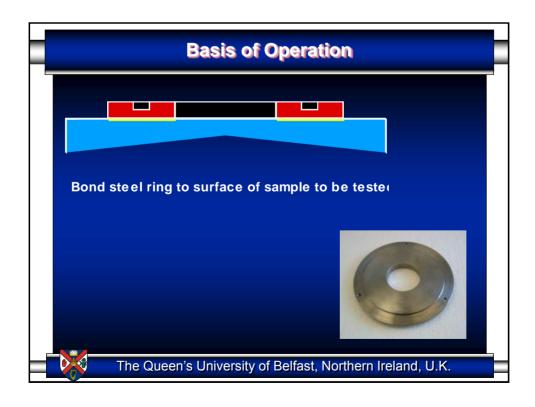


Specified in ASTM C 642-97, BS 1881: Part 122: 2011 and AS 1012.21-1999 • Typical values based on BS 1881 30 minutes immersion test: Low absorption concrete: < 3% Average absorption concrete: 3-4% High absorption concrete >4% The Queen's University of Belfast, Northern Ireland, U.K.

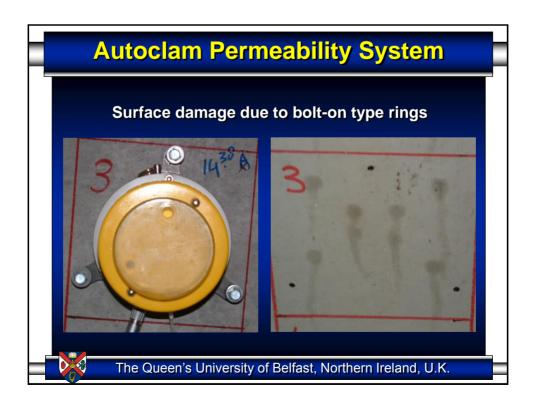




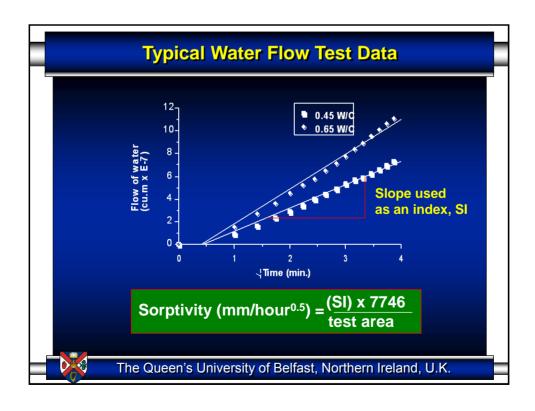




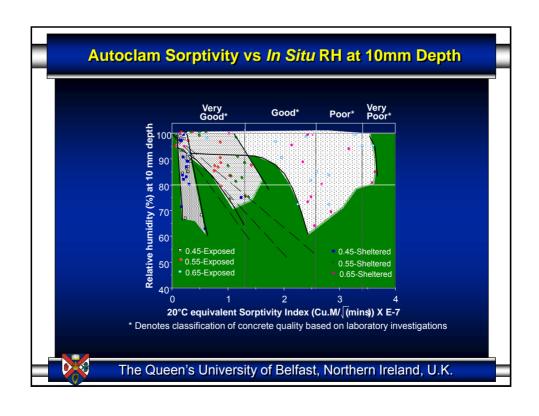




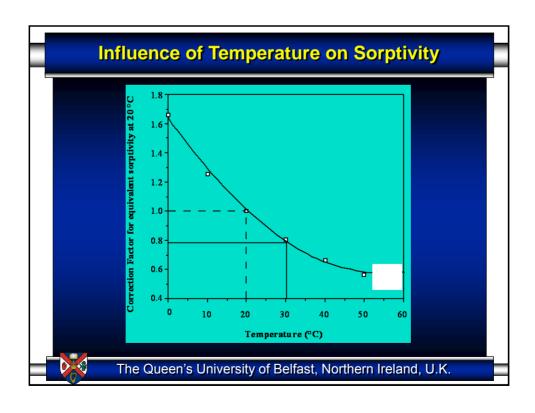


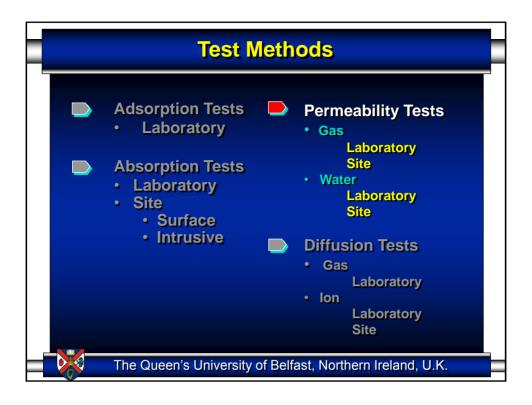


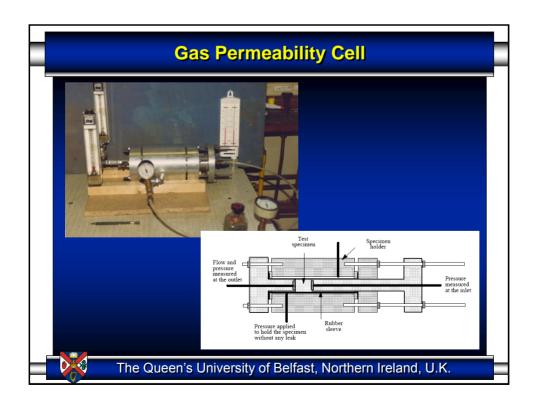
Classification (predicted risk)	AP index	S index	WP index
Low	< 0.1	< 1.3	< 3.7
Medium	> 0.1 ≤ 0.5	> 1.3 ≤ 2.6	> 3.7 ≤ 9.4
High	> 0.5 ≤ 0.9	> 2.6 ≤ 3.4	> 9.4 ≤ 13.8
Extremely high	> 0.9	> 3.4	> 13.8

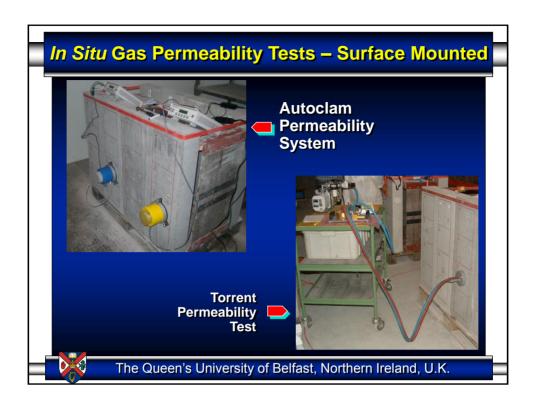




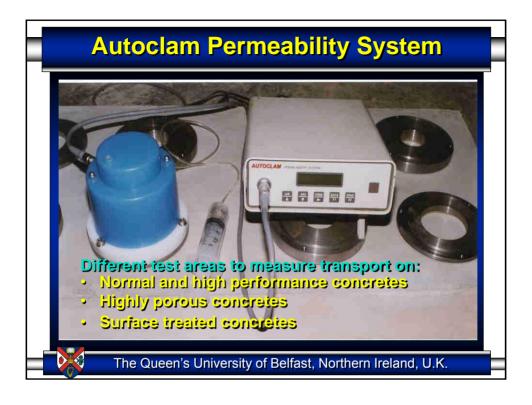


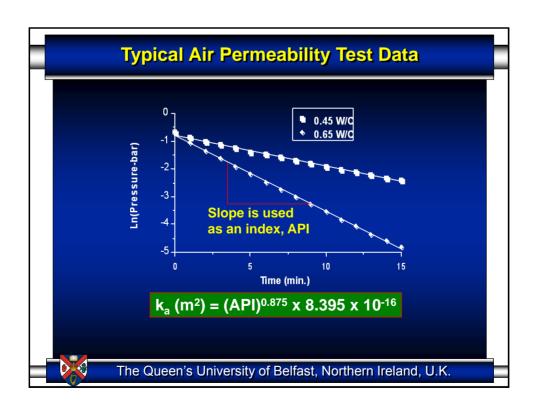




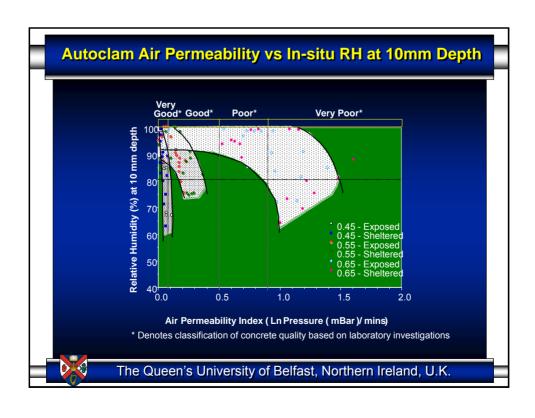


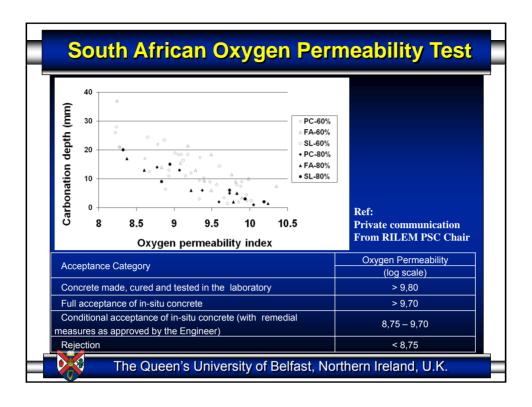


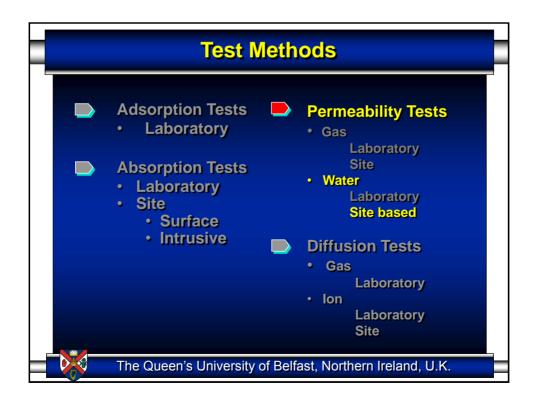


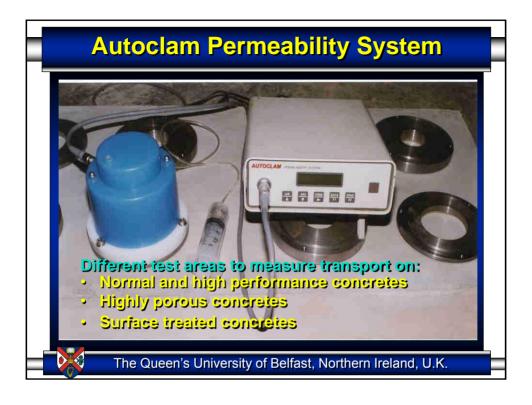


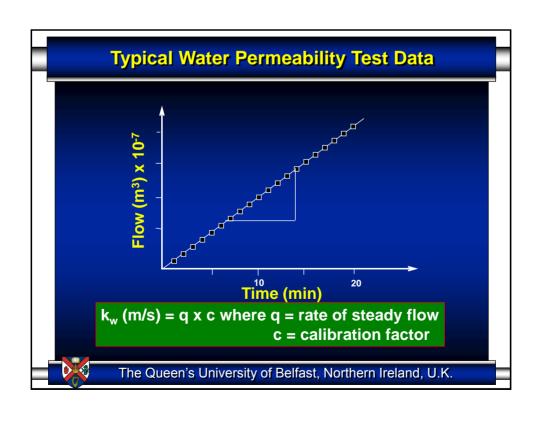
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