

TECHNICAL REPORT

December, 2012

Introduction

ParexGroup were requested to undertake adhesive testing to determine which adhesives would be suitable bonding ceramic tiles to Wet-seal Envirocoat membranes. The membranes tested will be available in both Australia and New Zealand.

Membranes Tested

Wet-seal "Enviro-coat DS 411" Class II external membrane (terracotta)
Wet-seal "Enviro-coat IS 511" Class II internal membrane (green)

Tile Adhesives Tested

Davco Powder Mastic
Davco SE-7 combined with Davelastic/Water 50:50

Test Procedure

Standard test tiles were adhered to the membranes using the above adhesives and tested in accordance with AS4992.2006.

Results

Note: It is important to allow the membranes to cure for 48 hours before application of the tile adhesives.

Both adhesive systems tested achieved the required bond strengths in both dry and immersed environments in accordance with the Australian Standard.

Conclusion:

ParexGroup recommend the use of Powder Mastic and SE-7 combined with Davelastic/water 50:50 to adhere ceramic tiles to 48 hour cured Wet-seal "envirocoat DS 411 and IS 511" membranes

The conclusion referenced in this report is limited to the waterproof membranes tested. Any formulation change to these membranes from the time of testing will render this recommendation null and void.



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