

DECK WATERPROOFING, A DESIGNER/CONTRACTOR PERSPECTIVE



KEY CONSIDERATIONS/OBSERVATIONS.

- VERY SPECIFIC DIFFERENCES FROM BASEMENTS (NO TYPE C TO MITIGATE DEFECTS).
- LOTS TO CONSIDER, HOWEVER PRINCIPAL IN MY VIEW:

KEY CONSIDERATIONS/OBSERVATIONS.

- MATERIALS:
 - CRITICAL IN DECK WATERPROOFING.
 - ROBUSTNESS OF MATERIALS, SOME REDUNDANCY AGAINST POOR SITE MANAGEMENT / DAMAGE TO MATERIALS (EXAMPLE FROM TIER 1 M.C. PROJECT).
 - FEASIBILITY OF INSTALLATION (WEATHER).





KEY CONSIDERATIONS/ OBSERVATIONS.

- DIMENSIONAL STABILITY (NEW CONSTRUCTION):
 - THE SCOPE FOR MOVEMENT AND IMPLICATION UPON BONDED WATERPROOFING MATERIALS I.E. THEY BREAK.
 - WHERE USING BONDED, EVALUATION OF PROPOSED MATERIALS AGAINST STRUCTURAL DESIGN IS CRITICAL / A PRINCIPAL CONSIDERATION.
 - DESIGN AND DETAIL SUCH THAT WATERPROOFING ACCOMMODATES THE STRUCTURE.

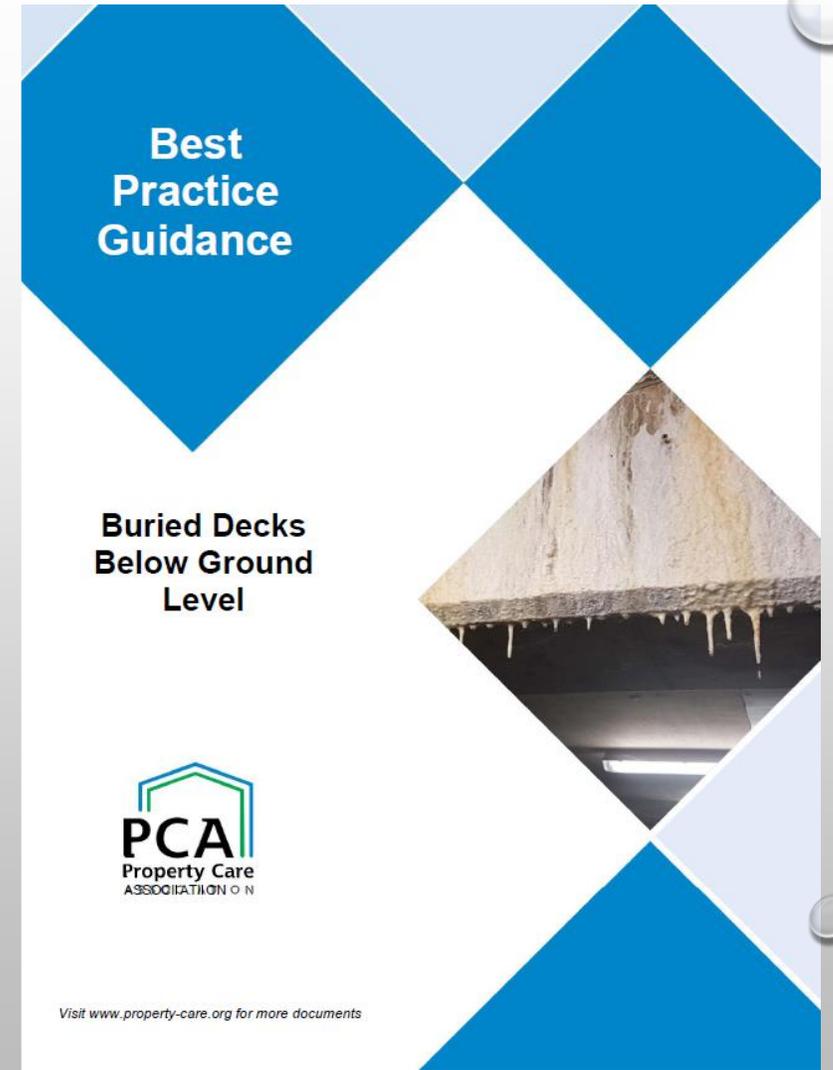
KEY CONSIDERATIONS/OBSERVATIONS.

- DIMENSIONAL STABILITY (EXISTING STRUCTURES):
 - NOT EVERY DECK IS NEW-BUILD, MANY OF US ARE ASKED TO DEAL WITH THE EXISTING, WHERE NO-ONE WILL CONFIRM REAL WORLD MOVEMENT.
 - DESIGN GUIDE PREFERENCE FOR BONDED SYSTEMS (PREVENT LATERAL MIGRATION OF WATER) BUT DECOUPLED MEMBRANES CAN DESIGN OUT IMPACT OF MOVEMENT, SO ARE OFTEN REQUIRED FOR SUCCESSFUL OUTCOME.
 - NECESSITY FOR INTEGRITY TESTING AND PERMANENT LEAK DETECTION SYSTEMS BY IMPLICATION?



KEY CONSIDERATIONS/OBSERVATIONS.

- DESIGN GUIDANCE:
 - LACK OF SPECIFIC DESIGN GUIDES AN ISSUE BUT IMPROVING.
 - LABC GUIDANCE WHILST TECHNICALLY NOT A DESIGN GUIDE – STILL VERY USEFUL AS A ‘DESIGN GUIDE’ FOR INFLUENCING DESIGN TEAMS (THANK YOU)!
 - PCA W.I.P. GUIDANCE VERY WELCOME.





PREDICTIONS.

1. THE FOCUS ON STRATEGY FOR REPAIR IN LABC DOC AND REPAIRABILITY IN PCA GUIDANCE DOC WILL ENCOURAGE INCORPORATION OF PERMANENT LEAK DETECTION SYSTEMS.
2. DESIGN GUIDANCE PROMOTES REINFORCED CONCRETE DECKS, MIGHT THIS EXPAND TO COVER OTHER STRUCTURES / EXISTING STRUCTURES?

The image features a light gray background with a subtle gradient. In the top-left and bottom-right corners, there are several realistic water droplets of various sizes, rendered with soft shadows and highlights to give them a three-dimensional appearance. The word "INTRODUCING.." is centered in the upper half of the image in a bold, black, sans-serif font.

INTRODUCING..