

Technical & Research Committee

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Through the Decades – Celebrating 65 Years of T&R Findings



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The Early Years

T&R initial research up to the 1970s



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T&R Early Publication

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T&R Research

1970s and 1980s



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Research started in 1977 on four single ply's on the market

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- 45 mil EPDM by Carlisle with gum tape lap joints
 - 32 mil unreinforced PVC by Trocal
 - KMM mod bit by Koppers
 - CRM mod bit by WR GRACE



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Partial list of T&R Projects with Reports

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1978 & 1979 - Preliminary Report on Single Ply

1981- Recommended performance criteria for PVC

1982 - Recommended performance criteria for EPDM

1983 - Recommended performance criteria for Mod Bits

1984 - Application Guide for Expanded Polystyrene insulation

1986 - EPDM Lap Adhesives (switch from neoprene to butyl)



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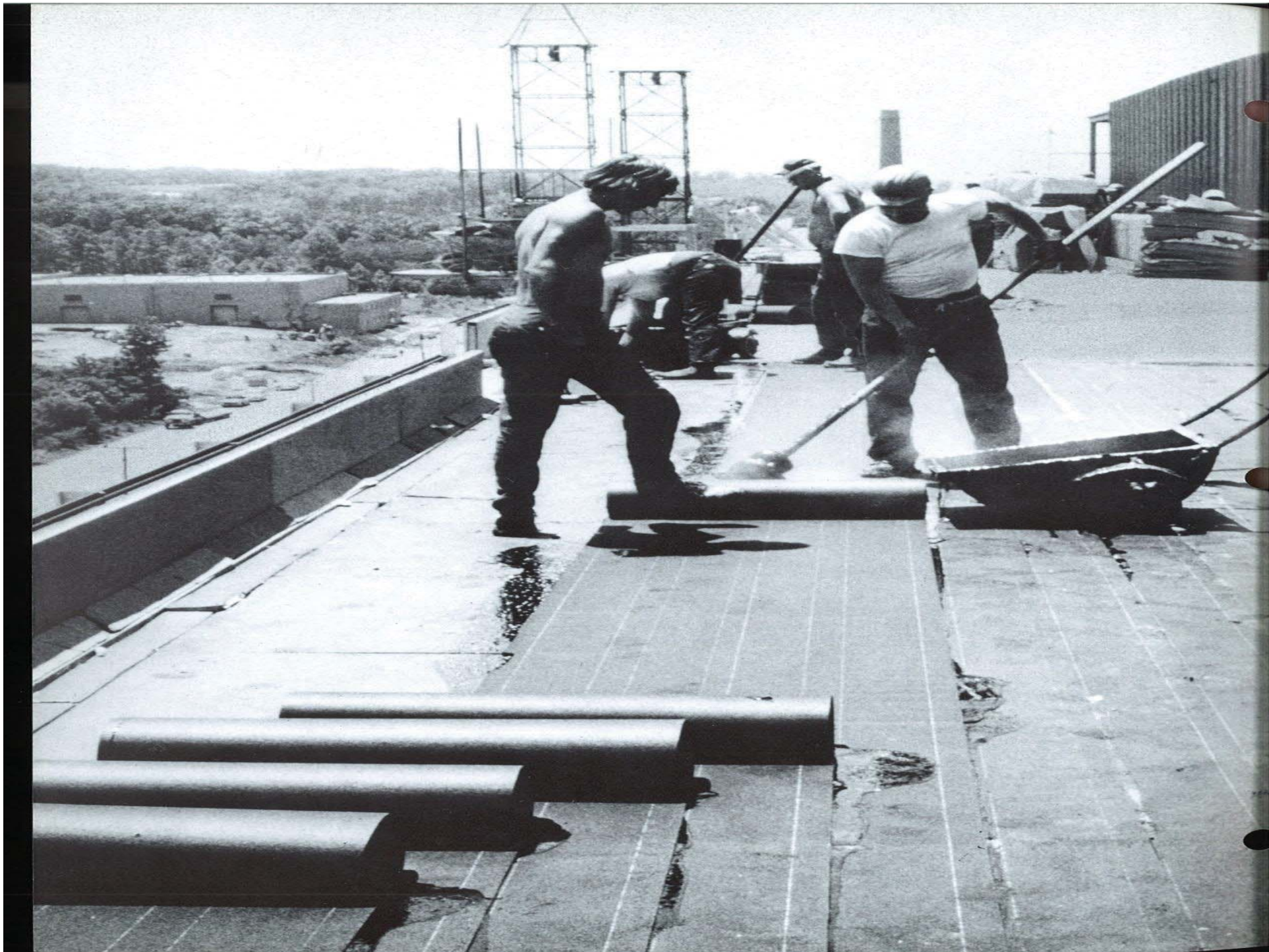
T&R work in the late 1980's

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- 1987 Tensile strength tests on Type IV fiberglass /asphalt felts
- 1987-1988 Aged R value testing joint with NRCA. This extensive study yielded the R – 5.6 for Polyisocyanurate, still accurate today for this insulation product when tested at room temperature
- 1988 - Uplift and crushing resistance of Polyisocyanurate and Phenolic roof insulations
- 1988 MRCA/TAMKO Asphalt Research on ASTM D312 mopping asphalts with regard to softening point variations



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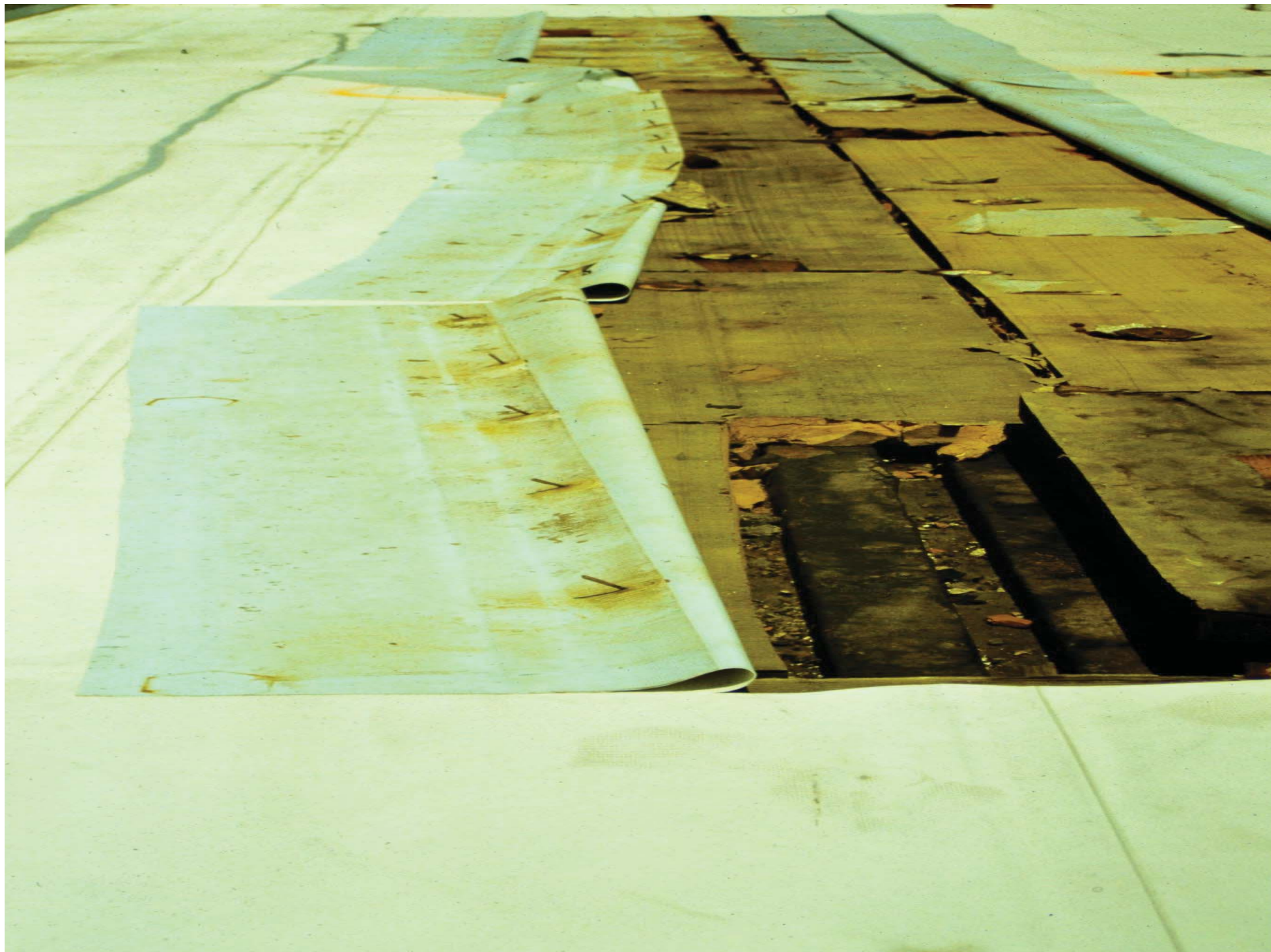
T&R Research

1990s and early 2000s



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T&R Research

2010 and beyond



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T&R Research 2010 and Beyond

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1. 2010 TPO
2. 2011 Structural Lightweight Concrete Roof Decks
3. 2013 Roof Air Temperature Study
4. 2013 Advisory Changes to Polyisocyanurate R-Values
5. 2013 Advisory on FM Global Changes Pending Air Barriers Issues for Mechanically Fastened Roof Systems
6. 2013 Field Study Results of Reflective Modified Bitumen Roofs



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2013 Advisory Changes to Polyisocyanurate R-Values



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2013 Advisory on FM Global Changes Pending Air Barriers Issues for Mechanically Fastened Roof Systems



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