

TRACE[®] & ACT[®]

ROOF CORE ANALYSIS & ASBESTOS TESTING



JUSTIFY ROOF DECISIONS. KNOW YOUR OPTIONS.

Before you can make the right roofing decision, you have to know what's right for your particular roof. And that means you have to get technical about its current condition—its membrane, tensile strength and bitumen—because these technicalities can make a drastic difference in the cost of any planned roof work.

KNOW YOUR REAL ROOFING OPTIONS

TRACE (Tremco Roof Analysis Core Evaluation) provides rigorous laboratory data on the construction, composition and condition of any built-up roofing system. Using ASTM testing methods, our experienced lab technicians perform 14 tests at our research center, which is NVLAP (National Voluntary Lab Accreditation Program) accredited for bulk asbestos analysis using polarized light microscopy that reveal all the important facts about your roof. TRACE automatically includes a Tremco ACT (Asbestos Core Test). If asbestos detection is your only concern, ACT is available as a separate analysis.



TRACE INCLUDES THESE ANALYSES:

- Tensile strength of roofing membranes in the machine and cross machine directions
- Bitumen analysis of both interply and surfacing
 - Type
 - Quantity
- Softening point
- Penetration
- Felts
 - Type
 - Quantity

ASBESTOS CORE TEST (ACT)

At WTI, we use soxhlet extraction to remove bitumens. This leaves behind fibrous material and other residues, which can then be individually analyzed to positively identify any asbestos fibers. Following EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials, ACT accurately reports the percentage and type of asbestos found in each layer as well as in the adhesive or mastic.



TRACE AND ACT GIVE YOU THE FACTS TO:

- Justify the need and cost of roofing decisions
- Help determine if your roof is a candidate for restoration or replacement
- Verify the causes of premature roof failure, such as improper installation
- Explain roof performance to date, whether it is poor, satisfactory or superior
- Implement a quality control measure for new roof installation to ensure proper performance
- Accurately identify the presence and quantity of asbestos



With a TRACE laboratory analysis, you receive the facts to help determine your roof's construction and condition, which are needed to decide the proper course of action.

Core Size	ASTM D 2829
Estimated Weight of Membrane	ASTM D 2829
Surfacing Bitumen Weight	ASTM D 2829
Interply Bitumen Weight	ASTM D 2829
Surfacing Bitumen Type	Solvent Test
Interply Bitumen Type	Solvent Test
Penetration of Surface Bitumen (@77°F)	ASTM D 5
Penetration of Interply Bitumen below 1st ply (@77°F)	ASTM D 5
Softening Point of Surface Bitumen	ASTM D 3461
Softening Point of Interply Bitumen	ASTM D 3461
Ply Type	ASTM D 2829
Number of Plies	ASTM D 2829
Tensile Strength, Machine Direction (@ 0 F, 0.05 inches/min)	ASTM D 2523
Tensile Strength, Cross Machine Direction (@ 0 F, 0.05 inches/min)	ASTM D 2523
Asbestos Core Test (ACT)	EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials



Find your nearest Tremco Roofing sales representative at [tremcoroofing.com/find-a-rep](https://www.tremcoroofing.com/find-a-rep)

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Weatherproofing Technologies, Inc. (WTI), part of Tremco Construction Products Group, offers a full range of sophisticated analytical, maintenance and information-based services with one simple goal – to maximize the life of your roof and protect the value of your building.

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