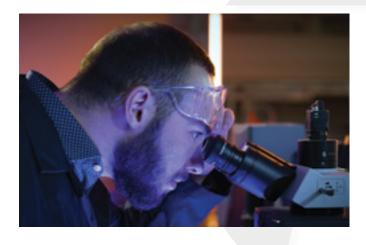
# TRACE® & ACT®

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)**

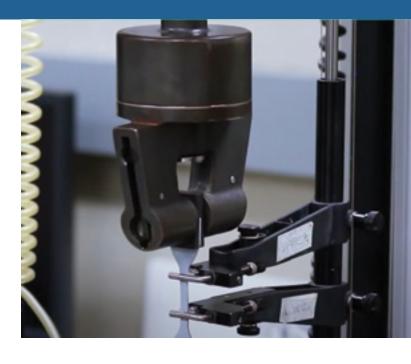
At WTI, we use soxhlet extraction to remove bitumens. This leaves behind fibrous material and other residues, which can then be individually analyzed to positively identify any asbestos fibers.

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



Find your nearest Tremco Roofing sales representative at <a href="tel:tremcoroofing.com/find-a-rep">tremcoroofing.com/find-a-rep</a>

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the Determination of Asbestos in

**Bulk Building Materials**