

# ASBESTOS HAS ALSO BEEN USED



Asbestos has also been used in a wide range of manufactured goods, mostly in building materials (roofing shingles, ceiling and floor tiles, paper products, and asbestos cement products), friction products (automobile clutch, brake, and transmission parts), heat-resistant fabrics, packaging, gaskets, and coatings

## Common Industrial and Commercial Asbestos-Containing Products

Industrial and commercial asbestos products were used by many different types of trade workers in a variety of industries, including power generation, oil and gas, construction, automotive repair, plumbing, electricity and chemical production.

Construction workers were exposed when building homes, plumbers are exposed to asbestos pipes and insulation, electricians are exposed while repairing electrical panels and other equipment, and auto mechanics are exposed when changing brakes and clutches. Do-it-yourselfers who perform repairs on older homes and home auto mechanics handling aftermarket brake pads and clutch linings are also at risk of asbestos exposure.

## SOME OF THE MOST COMMON ASBESTOS PRODUCTS:

- Automotive Parts
- Brake pads, clutches, hood liners, gaskets and valves contained asbestos.
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- Tiles and adhesives at one time were made with asbestos.

## TILES

Flooring, ceiling and roofing tiles were commonly made with asbestos. The adhesive used to lay down flooring tiles has also been a source of exposure

Weathering of cement made with asbestos can expose toxic fibers.



# CEMENT

Asbestos-containing cement was used in building materials because the fibers provided strength without adding much weight. Its insulating and fire-resistant properties also made the mineral an ideal substance to add to cement.

# TEXTILES

Asbestos was used in the production of cloths and garments for its resistance to heat and corrosive elements. Some of the most common textiles included blankets, firefighter suits and rope. The use of asbestos-containing products stretched across a number of industries. Most of the products could be categorized as either construction or automotive materials.

## ASBESTOS PRODUCTS

- Home and Consumer Asbestos Products
- Appliances
- Cigarette filters
- Potholders
- Ashtray coasters
- Wicking for gas ranges
- Fake snow
- Hair dryers
- Talcum powder
- Zonolite insulation



A mechanic removes asbestos-contaminated dust from brakes.

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## ASBESTOS PRODUCTS

Industrial and Commercial Asbestos Products

- Adhesives
- Automotive parts
- Cement
- Construction mastics & gunning mix
- Diaphragms
- Duct connectors
- Electrical components
- Felt
- Fireproofing
- Gaskets
- Insulation
- Laboratory equipment
- Plastics
- Cement sheets
- Textiles
- Tiles
- Vinyl products



## CHEMICAL COMPOSITION

Name mineral	Na <sup>2</sup> O	MgO	Al <sup>2</sup> O <sub>3</sub>	Fe <sup>2</sup> O <sub>3</sub>	SO <sub>3</sub>	K <sup>2</sup> O	CaO	SiO <sub>2</sub>	TiO <sub>2</sub>	P <sub>2</sub> O <sub>5</sub>	MnO	Cl	BaO	SrO	Cr <sup>2</sup> O <sub>3</sub>	NiO	YTi
Asbestos	0,09	22,69	0,39	0,36	0,04	0,01	15,93	58,45	0,02	0,04	0,01	0,01	0,001	0,002	0,001	0,01	1,93

## MINERAL COMPOSITION

MINERALS	SiO <sub>2</sub> QUARTZ	Ca(FeMg)CO <sub>3</sub> ANCHORITE	ILLITE	Clinochlore	CaCO <sub>3</sub>	MgSiO <sub>3</sub>	Ca <sup>2</sup> Mg <sub>5</sub> Si <sub>8</sub> O <sub>22</sub> (OH) <sup>2</sup> (Termolite)	Ca <sup>2</sup> MgSi <sub>2</sub> O <sub>7</sub> (Eckermannite)	TALC	OTHER
ASBESTOS	-	-	-	-	-	-	88	10	-	2