

which may be sprayed on walls; insulating material for the covering of pipes, boilers, cables, conduits and ducts; siding shingles, roofing shingles, tiles, flat and corrugated sheets, wallboard, clapboard and automobile undercoating.^{25,7} The production, processing and commercial use of these materials often entail for workers engaged in such activities, a distinct exposure to asbestos-containing dust. Reports in the more recent medical literature attest to the existence of distinct occupational health hazards from such exposures by noting the occurrence of asbestosis and asbestos cancers in asbestos cement and plaster makers, mixers, and sprayers, insulators, ladders and pipe coverers, especially those employed in shipyards, and masons.^{23,21,40,41,26,42,3,44-46,22,47,48} The circumstances under which asbestos-cement products are used in the human economy make it likely that they may create asbestos health hazards of an associated type for other workers as well as in homes where asbestos insulating is used.^{20,20}

Manufacture of Asbestos Textiles

Asbestos alone or in combination with other vegetable or animal fibers and synthetic plastics is employed extensively in the manufacture of threads, yarns, wicks, cords, ropes, tapes, cloths, sheets, blankets, and similar products which in turn are used widely in industry (automobile, aircraft) as friction materials, brake linings, fireproof safety clothing, curtains, life jackets, and similar articles, clutch facings, lagging cloths, and gaskets. During the preparation of the asbestos fibers and in the fabrication process of textiles from asbestos (carding, stripping, mixing, bobbing, spinning, and weaving), the workers become exposed to asbestos dust released into the air, although the absolute amounts of this have greatly been reduced during recent years by proper technologic measures in modern textile plants.^{49,50} Whether the introduction of such protective procedures has succeeded in totally eliminating asbestotic hazards for the workers employed in such plants, however, remains to be seen because of the often relatively long latent period which may elapse before asbestosis may become symptomatically manifest even after workers have left such hazardous operations.^{51-54,18} Exposure conditions in the asbestos textile industry until rather recent times, definitely demonstrate that asbestos textile workers (spinners, carders, weavers) were subject to a distinct asbestosis and asbestos cancer hazard.^{55-59,19,12,52,54,56-72,52,73,74,50,75,76}

Periplant hazards for the population living in the vicinity of such plants may ensue if the effluents of exhaustive ventilation equipment are released into the environmental air without previous removal of their asbestos constituents.

Miscellaneous Asbestos Products

Asbestos is being made into floor tiles by blending it with other materials, such as asphalt, plastics, and similar chemicals. It is used for seals,