



ECOTECH AFRICA

Applied Environmental Technology

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ASBESTOS THE THREAT IS REAL!



Asbestos and the associated diseases are still very much a threat. Asbestos use in South Africa was only banned in 2008. Asbestos is still found in many places in homes, work environments and schools.



South Africa reports approximately 200 cases of mesothelioma per year. One 2002 study cites that more than 2,700 South Africans have died of mesothelioma, and researchers believe the cancer is vastly under reported.

When is Asbestos Dangerous?

The most common way for asbestos fibers to enter the body is through breathing. In fact, asbestos containing material is not generally considered to be harmful unless it is releasing dust or fibers into the air where they can be inhaled or ingested. Many of the fibers will become trapped in the mucous membranes of the nose and throat where they can then be removed, but some may pass deep into the lungs, or, if swallowed, into the digestive tract.

Once they are trapped in the body, the fibers can cause health problems.

Asbestos is most hazardous when it is friable. The term "friable" means that the asbestos is easily crumbled by hand, releasing fibers into the air. Sprayed on asbestos insulation is highly friable. Asbestos floor tile is not. Asbestos-containing ceiling tiles, floor tiles, undamaged laboratory cabinet tops, shingles, fire doors, siding shingles, etc. do not release asbestos fibers until they are disturbed or damaged in some way. If an asbestos ceiling tile is drilled or broken, for example, it may release fibers into the air. If it is left alone and not disturbed, it will not.

Damage and deterioration will increase the friability of asbestos-containing materials. Water damage, continual vibration, aging, and physical impact such as drilling, grinding, buffing, cutting, sawing, or striking can break the materials down making fiber release more likely.



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- PROJECT - ISANDO ASBESTOS REMOVAL
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Health Effects

Because it is so hard to destroy asbestos fibers, the body cannot break them down or remove them once they are lodged in lung or body tissues. They remain in place where they can cause disease. There are three primary diseases associated with asbestos exposure, Asbestosis, Lung Cancer & Mesothelioma.

Why Can Asbestos Dust or Fibres be Dangerous to Your Health?

- ✓ You must observe safety precautions when removing or working with asbestos, otherwise you risk exposing yourself and your family to long-term health risks
- ✓ There is no safe level of exposure to asbestos fibres!
- ✓ If asbestos is disturbed it can release dangerous fine particles of dust containing asbestos fibres
- ✓ Symptoms of asbestos dust related diseases do not usually appear until about 20 to 30 years after the first exposure to asbestos

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WASH BAYS, EFFLUENT SEPARATION & RECYCLING



Ecotech Africa is a leader in wash bays design, construction & operation. We have worked with small to large businesses answering their questions and finding solutions to their wash pad/wash bay challenges. From our experience over many projects, these are 3 things you need to know about your wash bays:

The biggest challenge for wash bay owners is to keep to compliance regulations. There are regulations about the quality of discharge water to sewer that need to be followed. Ecotech Africa wash bays and water treatment systems assist with achieving compliance to regulations and we regularly consult with businesses on their wash bay challenges and how to work around the.

The second challenge for wash bay owners is to think through their wash bay design. The size and structure of the wash bay, the weight and solidity of the bay, the walls and their placement, the footprint of the waste water treatment system, containment of wash water, diverting surface rainwater run-off, amongst other things. It is vital you use our knowledge to make sure you get longevity out of your investment.

The third challenge is to think through long term versus short term costs. For example, if you are on a rented property, you have to think of relocation costs for your wash bay. If you want to save water and you want your wash bay water to be recycled, what would be the cost benefits of it?

How do I manage the waste water generated?

There are two ways to manage car wash waste water – contain and recycle or discharge, and Ecotech Africa offers solution for both.

Vehicle wash water can be harmful to humans, animals and plants if not dealt with properly. Wastewater has to be treated before it is discharged into the sewer system or surface water bodies such as rivers, lakes and streams. To discharge waste, you need to acquire approval from the Council and the water has to be treated to certain specifications before it can be discharged. Ecotech Africa offers water treatment systems along with any vehicle wash system or for existing wash systems giving the owners environmental benefits, ease of use, cost savings and approved systems in a single solution.

Ecotech Africa also offers recycle plants in conjunction with our wash bay systems to provide a turnkey wash bay solution. When the two systems work together, the only water losses are typically due to minor evaporation that occurs from the pressure cleaning equipment spray jets. When comparing the cost of continually sourcing fresh water and then compliantly disposing off the resultant polluted water, the Ecotech Africa wash bay water recycling in any wash bay provides far superior environmental, cost and operational benefits on an ongoing basis.





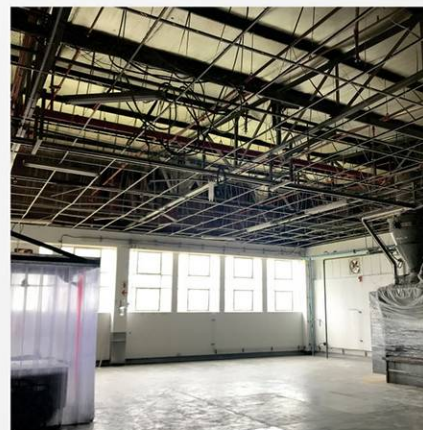
PROJECT

ASBESTOS REMOVAL

Ecotech Africa was commissioned to safely remove and dispose of Asbestos Containing ceilings at a factory in Isando, Johannesburg.

Although various challenges were encountered the project was successfully completed within two days.

Work was done for this client over the festive period as this was the only time they could shut down production. Ecotech Africa gladly stepped up and completed the work for the client within their timeline.



PRODUCT: SPILL KITS



The Ecotech Africa Spill Kits consist of a collection of items to be used in case of a spill, leak or other discharge of petroleum based liquids and chemicals on hard surfaces. Spill kits are developed for prompt response and easy clean-up of accidental hazardous spills. Available in Wheelie Bins or Portable PVC Carry Bags, with absorbcency from 40L to 220L. (Higher absorbcency spill kits available on request)

Give us a call or visit our website for more information about our services and products

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