

Product: Circuit Breaker Arc Chute Contractor Covers

Product Name	Circuit Breaker Arc Chute Contractor Covers
Product type	Electrical Insulation
Sub-Product type	
Trading name(s)	South Wales Westinghouse
Other name(s)	Arc Chute Covers, Closing Coil Contactor Covers
Product description	<p>Medium density asbestos cement sheet on a metal backing to protect protection relays against heat and electrical arcs from the contractors arc chute when operating.</p> <p>These have been found in 11kV Westinghouse J18/B18 family of circuit breakers, in South Wales DX4 11kV breakers and in 33kV GCN breakers.33kV GCN approx. Pre 1965 breakers which have contractor covers that have a square box that is the same colour as the rest of the breakers. Ex-Electricity Commission breakers tend to have silver coloured boxes which do not contain asbestos.</p> <p>Westinghouse Friable Risk - HIGH</p> <p>Westinghouse Arc Chute Contactor covers are friable and can pose an immediate risk to employees if touched or disturbed.</p> <p>South Wales Non Friable Risk LOW</p> <p>South Wales Arc Chute Contactor covers are considered to be bonded and work can occur in the vicinity of the contactor cover.</p>
Build element	
Product identification	<p>These have been found in 11kV Westinghouse J18/B18 family of circuit breakers, in South Wales DX4 11kV breakers and in 33kV GCN breakers.33kV GCN approx. Pre 1965 breakers which have contractor covers that have a square box that is the same colour as the rest of the breakers. Ex-Electricity Commission breakers tend to have silver coloured boxes which do not contain asbestos.</p>
Known uses	
Asbestos fibre type	
Friable or Non-Friable	Friable
Known Supplier(s)	
Known place of manufacture	
Date / period of manufacture	Pre 1987
Building construction period	1961-1970,1970-1980

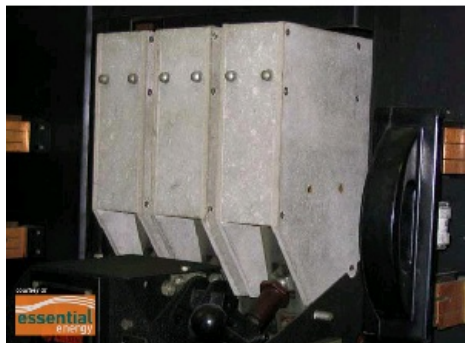
Location Commercial

- Electrical

Industrial

- Electrical

Product images



Low Voltage Air Circuit Breaker Arc Chutes.jpg

Name Low Voltage Air Circuit Breaker Arc Chutes

Caption Asbestos is suspected in the arc chutes of certain low voltage air circuit breakers. These include Nilsen type air circuit breakers (AB1, AB3, AB7 & NAB1) as well as GE OLD, GE NEW, GE MG14, MH CM22, WH CM2, SW LA50.

Location Industrial

Source Essential Energy

Image Id 236



Oil Circuit Breaker Closing Contactors 2.jpg

Name Oil Circuit Breaker Closing Contactors

Caption Cover of an F250 closing contactor. The black backing board is also a suspected asbestos related material.

Location Commercial

Source Essential Energy

Image Id 237



Oil Circuit Breaker Closing Contactors 3.jpg

Name Oil Circuit Breaker Closing Contactors

Caption The second type of closing contactor that is present on F250, as well as J18/J22, is a similar type contactor with a variation in the arc shield only.

Location Industrial

Source Essential Energy

Image Id 238



Oil Circuit Breaker Closing Contactors.jpg

Name Oil Circuit Breaker Closing Contactors

Caption While not confirmed, asbestos is suspected in closing contactor enclosures of particular High Voltage Oil Circuit Breakers (HV OCB). These include Westinghouse GCN, J18, J22 and F250 type units. Closing contactors may be insulated by use of asbestos material in a cast iron enclosure.

Location Industrial

Source Essential Energy

Image Id 239



Westinghouse B18 type switchgear_.jpg

Name Westinghouse B18 type switchgear

Caption Westinghouse J18/b18 type 11kv circuit breakers - the flexible conduits (snakes) may contain asbestos that has the potential to migrate through the metal exterior.

Location Plant

Source Essential Energy

**Image
Id** 240
