

## Product: Circuit Breaker Arc Chute Contractor Covers

<b>Product Name</b>	Circuit Breaker Arc Chute Contractor Covers
<b>Product type</b>	Electrical Insulation
<b>Sub-Product type</b>	
<b>Trading name(s)</b>	South Wales Westinghouse
<b>Other name(s)</b>	Arc Chute Covers, Closing Coil Contactor Covers
<b>Product description</b>	<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>
<b>Build element</b>	
<b>Product identification</b>	<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>
<b>Known uses</b>	
<b>Asbestos fibre type</b>	
<b>Friable or Non-Friable</b>	Friable
<b>Known Supplier(s)</b>	
<b>Known place of manufacture</b>	
<b>Date / period of manufacture</b>	Pre 1987
<b>Building construction period</b>	1961-1970, 1970-1980

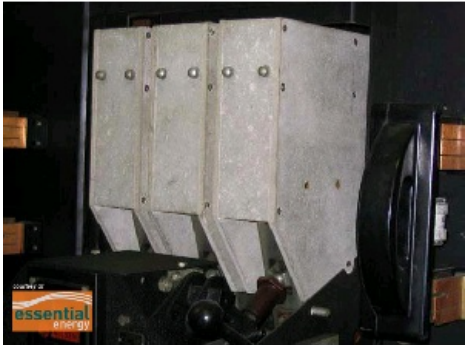
**Location**      **Commercial**

- Electrical

**Industrial**

- Electrical

<b>Product images</b>	
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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

<b>Name</b>	Westinghouse B18 type switchgear
<b>Caption</b>	Westinghouse J18/b18 type 11kv circuit breakers - the flexible conduits (snakes) may contain asbestos that has the potential to migrate through the metal exterior.
<b>Location</b>	Plant
<b>Source</b>	Essential Energy
<b>Image Id</b>	240

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