

Product: Asbestos Cement Sheet

Product Name	Asbestos Cement Sheet
Product type	Cement - sheets, moulded product
Sub-Product type	
Trading name(s)	Fibrolite Versilux Colorbord Hardiflex - ceased 1981 Hardiplank - ceased 1981 Harditherm - ceased 1984 Wunderflex Hardie's Compressed Sheet Villaboard - ceased 1981 Durabestos
Other name(s)	AC sheet, fibre cement sheet, fibro
Product description	<p>Smooth, flat fibre cement sheet that is painted on-site to create a flat panel look. Tough, flexible sheeting suitable for external cladding and internal lining. Flat cement sheets were made of asbestos fibres and cement mix, commonly in the ratio of 1 to 9. In the asbestos cement sheet, asbestos fibres are bound within the cement matrix and are considered to be well immobilised in the cement and less prone to be released into the environment.</p> <p>Due to its asbestos content, cement sheets are heat and moisture resistant making them ideal for use in wet or heat sensitive areas. Asbestos cement sheets were used as ceiling paneling, internal and external walls, external eaves across domestic, agricultural, commercial and industrial applications.</p> <p>Often referred to as fibro. Fibro sheeting is perhaps one of the commonest building products to come across when doing renovations to an older building. It was widely used from the 1950s to the late 1980s. The most likely form of fibro to come across is flat sheet fibro, often used for outside cladding of houses, sheds and garages. This flat sheeting was simply nailed to the wooden framed structure thus making construction quick and cheap.</p> <p>Below lists the approximate dates the products ceased to be manufactured with asbestos.</p> <ul style="list-style-type: none"> • Hardiflex 1981 • Hardiplank 1981 -Hardiplank was external cladding typically used in residential single and medium-density homes, including alterations and additions, achieving a traditional or weatherboard look. • Villaboard 1981 • Versilux 1982 • Harditherm 1984 • Highline 1985 • Shadowline 1985 • Coverline 1985

Build element

Construction of exterior and interior walls and ceilings.

Product identification

An indicator the cladding is made of asbestos cement sheeting is moulded asbestos cement battens / cover strips used to cover the joint between the sheets which were usually 40mmx6mm or 75mmx8mm or wooden d mould cover strips.

Asbestos cement sheets are white to grey in colour and are quite hard and brittle. When subjected to machining, power tools or extensive weathering this product can become friable and the internal fibres that were originally bounded by cement can become liberated into the air.

Another key identification is when the nail head is sitting on top of the sheet (not indented into the surface).

Known uses Tough, flexible sheeting suitable for external cladding (walls and eaves) and internal lining of homes (walls and ceilings), sheds, garages, chook sheds, extensions and additions.

Asbestos fibre type Amosite (brown asbestos)
Chrysotile (white asbestos)
Crocidolite (blue asbestos)

Friable or Non-Friable Non-Friable

Known Supplier(s) James Hardie
CSR

Known place of manufacture Australia, China, Canada, Russia

Date / period of manufacture 1940s - 1987

Building construction period 1900-1920,1921-1930,1931-1940,1941-1950,1951-1960,1961-1970,1970-1980,1981-1990,Pre 1900

Location**Domestic home**

- Bathroom
- Bedroom
- Buried in soil / under slabs
- Ceiling / Ceiling space
- Dining room
- Dog kennels
- Exterior
- Fencing
- Fireplace
- Garage
- Hallway
- Internal walls
- Kitchen
- Laundry
- Living room
- Mouldings - internal and external
- Outhouse
- Power box
- Shed
- Toilet
- Other

Commercial

- Building structure
- Ceilings
- Exterior
- Moulded Product
- Walls

Industrial

- Building structure
- Ceilings

- Electrical
- Exterior
- Moulded Product
- Walls

Other Public

Product images



Asbestos Location - broken cladding_5973.jpg

Name	Broken Asbestos cladding
Caption	Broken exterior asbestos cladding - Hardiplank
Location	Domestic home
Source	Asbestos Education Committee
Image Id	68



IMG_0201.jpg

Name	Cement sheet cladding - exterior 201
Caption	Asbestos cement cladding on small backyard shed
Location	Domestic home
Source	Asbestos Education Committee
Image Id	69



IMG_0206.jpg

Name	Cement sheet cladding - exterior 206
Caption	Asbestos cement sheet cladding - exterior walls and eaves
Location	Domestic home
Source	Asbestos Education Committee
Image Id	70



IMG_0095.jpg

Name	Cement sheet cladding - internal 95
Caption	Cement sheet lining on walls and ceiling with asbestos cement cover strips over the joins.
Location	Domestic home
Source	Asbestos Education Committee
Image Id	71



IMG_0134.jpg

Name	Asbestos Cement Sheeting - holes drilled.
Caption	Asbestos cement sheet where holes were drilled. This is a hazard.
Location	Domestic home

Source Asbestos Education Committee

Image Id 72



IMG_0138.jpg

Name Asbestos cement sheeting 138

Caption Cement sheet lining on walls and ceiling with asbestos cement cover strips over the joins. The moulded asbestos cement battens used to cover the join between the sheets were usually 40mmx6mm or 75mmx8mm.

Location Domestic home

Source Asbestos Education Committee

Image Id 73



IMG_0242.jpg

Name Underside of sheet 242

Caption Underside of asbestos cement cladding as seen from the inside a garage. Notice

Location Domestic home

Source Asbestos Education Committee

Image Id 74



IMG_0270.jpg

Name Close Up Reverse Asbestos Cement Sheet

Caption Close up of underside of asbestos cement . Notice the golf ball dimpling - this is an indication that the material is asbestos cement sheeting.

Location Domestic home

Source Asbestos Education Committee

Image Id 75



IMG_0271.jpg

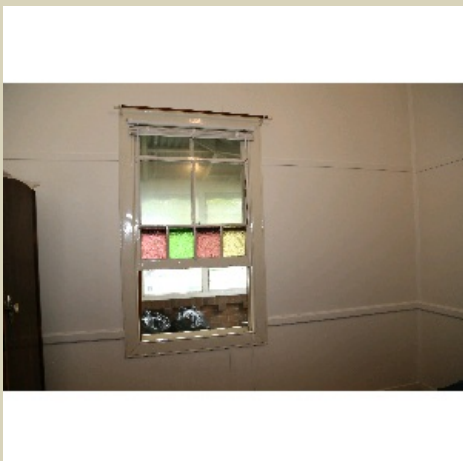
Name Internal Garage Asbestos Cement Sheeting

Caption Inside view of fibro cladding on a garage.

Location Domestic home

Source Asbestos Education Committee

Image Id 76



IMG_0296.jpg

Name Internal Fibro cement wall 296

Caption Internal Fibro cement wall lining with window and timber D cover strips over the joins

Location Domestic home

Source Asbestos Education Committee

Image Id 77



Asbestos Homes 147.JPG

Name Asbestos cement extension and Gables

Caption Asbestos cement was commonly used on extensions on pre 1950s homes.

Location Domestic home

Source Asbestos Education Committee

Image Id 129



AsbestosHouses 337.JPG

Name Asbestos cement extension - 1800s Victorian Terrace

Caption Asbestos cement was commonly used on extensions on pre 1950s homes as seen in the closed in balcony on this Victorian terrace.

Location Domestic home

Source Asbestos Education Committee

Image Id 130



AsbestosHouses 339.JPG

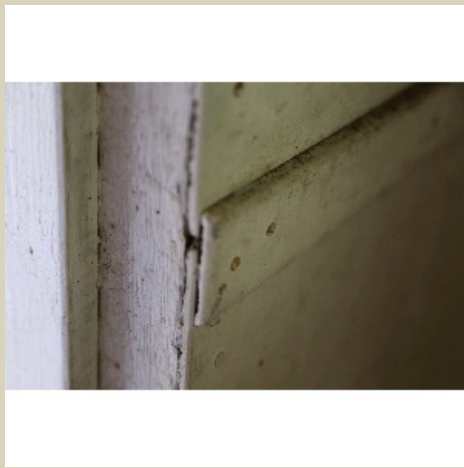
Name Dormer window asbestos cement extension

Caption Asbestos cement was commonly used on extensions on pre 1950s homes as seen in this dormer window on this Victorian terrace.

Location Domestic home

Source Asbestos Education Committee

Image Id 131



IMG_0558.JPG

Name Asbestos Cement cladding

Caption Asbestos cement cladding with a profile view clearly showing the moulded asbestos cover strip / join strip and sheet.

Location Domestic home

Source Asbestos Education Committee

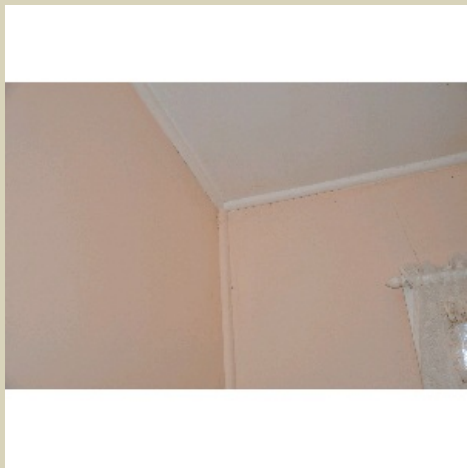
Image Id 132



001 Asbestos Flooring - Tiles.jpg

Name Asbestos cement sheeting - wall lining and ceiling

Caption	Asbestos cement sheeting - internal wall lining with D mould wooden cover strips
Location	Domestic home
Source	Asbestos Education Committee
Image Id	135



004 Asbestos Flooring - Tiles.jpg

Name	Asbestos cement sheeting - wall lining and ceiling
Caption	Asbestos cement sheeting - internal wall lining with D mould wooden cover strips
Location	Domestic home
Source	Asbestos Education Committee
Image Id	136



Puddy Cat Pics 077.jpg

Name	Asbestos cement sheeting - wall lining
Caption	Asbestos cement sheeting - wall lining freshly painted
Location	Domestic home
Source	Asbestos Education Committee
Image Id	137



Puddy Cat Pics 078.jpg

Name Cement sheet cladding - exterior

Caption Asbestos cement sheet cladding - exterior. Eaves and roof also asbestos cement.

Location Domestic home

Source Asbestos Education Committee

Image Id 138



220px-Durabestos_advertisement.jpg

Name Durasbestos Ad 1929

Caption Durasbestos ad from 1929

Location Other

Source Archive: Wikipedia - Source Unknown - Western Mail, 1929 (29 August 1929).

Image Id 186



AsbestosHouses 069.JPG

Name Asbestos Cement Sheeting - shed

Caption Asbestos Cement Sheeting - shed exterior

Location Agricultural

Source Asbestos Education Committee

Image Id 187



AsbestosHouses 095.JPG

Name Asbestos Cement Sheeting - garage exterior

Caption Asbestos Cement Sheeting - garage exterior. Many homes in the affluent areas erected a fibro garage to house their new car in the 1950s - 1960s

Location Domestic home

Source Asbestos Education Committee

Image Id 188



0076AsbestosProduct.jpg

Name Asbestos Cement Sheeting - garage exterior

Caption Run down asbestos cement sheeting on garage with moulded asbestos cover strips missing or broken.

Location Domestic home

Source Asbestos Education Committee

Image Id 194



Name Asbestos Cement Sheeting and trim

Caption Run down asbestos cement sheeting on garage with moulded asbestos cover strips and corner moulding missing or broken. The fibre texture can be seen at the edge of the broken strip.

Location Domestic home

Source Asbestos Education Committee

Image Id 195



AAD WCS 012.jpg

Name Asbestos Cement cladding - exterior

Caption Asbestos cement sheet cladding - exterior with moulded cover strips. Eaves also asbestos cement.

Location Domestic home

Source Asbestos Education Committee

Image Id 196



AAD WCS 019.jpg

Name Unpainted cement sheeting

Caption Hazardous asbestos cement sheeting under a house which has never been painted and has sections broken.

Location Domestic home

Source Asbestos Education Committee

Image Id 197



AsbestosHouses 176.jpg

Name Asbestos Cement cladding and eaves - exterior

Caption This home is clad in asbestos cement sheeting with eaves also made of asbestos cement. The Flue may have asbestos containing material at joins.

Location Domestic home

Source Asbestos Education Committee

Image Id 198



Chrysotile_0040.jpg

Name Close Up Asbestos Cement Sheet

Caption Close up of broken asbestos cement showing Chrysotile fibres.

Location Domestic home

Source Asbestos Education Committee

Image Id 199



DSC_0021.jpg

Name Nails in cement sheeting

Caption Special nails, galvanised shear point, where designed to fix asbestos sheeting to the wall. The tip of the nail is blunt (no point) with a flat head. They were punched into the asbestos cement sheeting rather than splitting it. Nails stand slightly proud of the surface of the sheet.

Location Domestic home

Source Asbestos Education Committee

Image Id 200



DSC_0024.jpg

Name Asbestos cement - wall and corner moulding

Caption Close up of asbestos cement sheeting with corner moulding. The galvanised shear point is visible slightly proud of the surface.

Location Domestic home

Source Asbestos Education Committee

Image Id 201



DSC_0034.jpg

Name	Close Up Asbestos Cement Sheet
Caption	Close up of broken asbestos cement showing Chrysotile fibres.
Location	Domestic home
Source	Asbestos Education Committee
Image Id	202



DSC_0069.jpg

Name	AC Eave and cover strip - hazard
Caption	Asbestos cement eave with broken / falling off moulded asbestos cover strip exposing the join. This is hazardous as it exposes raw sheeting and when the strip falls off will break causing the release of asbestos dust and fibres.
Location	Domestic home
Source	Asbestos Education Committee
Image Id	203



0015AsbestosProduct.JPG

Name	Asbestos cement - Shadowline
Caption	Asbestos cement - Shadowline wall sheeting
Location	Domestic home

Source	Asbestos Education Committee
Image Id	213



0016AsbestosProduct.JPG

Name	Asbestos cement - Shadowline
Caption	Asbestos cement - Shadowline wall sheeting
Location	Domestic home
Source	Asbestos Education Committee
Image Id	214



00988 QLD GOVT IMAGE.jpg

Name	Flat cement sheeting - exterior
Caption	Flat cement sheeting with asbestos containing material cornice cover strips.
Location	Domestic home
Source	Queensland Government
Image Id	283



00994 QLD GOVT IMAGE.jpg

Striated Sheet with ACM Strips

Name	
Caption	Striated Sheet with asbestos containing material cornice cover strips.
Location	Commercial
Source	Queensland Government
Image Id	284



2509 QLD GOVT IMAGE.jpg

Name	Hardiplank Woodgrain
Caption	Hardiplank Woodgrain
Location	Domestic home
Source	Queensland Government
Image Id	285



0078AsbestosProduct.JPG

Name	Asbestos Cement Sheeting Behind Ceramic Tiles
Caption	Asbestos is located behind the bathroom wall tiles in the adhesive and the cement sheeting.
Location	Domestic home
Source	Asbestos Awareness
Image Id	331



Gables 2323 Courtesy Asbestos Awareness.JPG

Name Asbestos cement was commonly used as gables

Caption Gables are located at the ends of the roof line and in locations where the roof height or pitch has a change.

Location Domestic home

Source Asbestos Awareness

Image Id 346



Gables 2474 Courtesy Asbestos Awareness.JPG

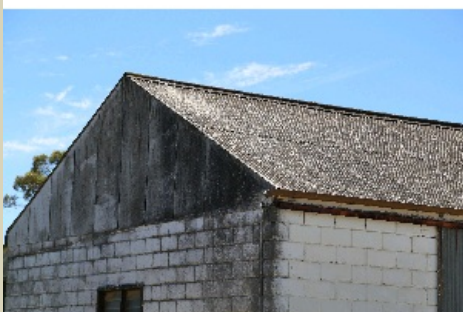
Name Asbestos cement used as gables

Caption AC sheeting as gables. Gables are located at the ends of the roof line and in locations where the roof height or pitch has a change.

Location Domestic home

Source Asbestos Awareness

Image Id 347



Gables 2488_02 Courtesy Asbestos Awareness.JPG

Name	Asbestos cement used as gables
Caption	Deteriorated AC sheeting as gable on shed. This is a hazard.
Location	Domestic home
Source	Asbestos Awareness
Image Id	348



Gables 2611 Courtesy Asbestos Awareness.JPG

Name	Asbestos cement used as gables
Caption	AC sheeting as gables. Gables are located at the ends of the roof line and in locations where the roof height or pitch has a change.
Location	Domestic home
Source	Asbestos Awareness
Image Id	349



Garage 1703 Courtesy Asbestos Awareness.JPG

Name	
Caption	
Location	
Source	
Image Id	351



Garage Internal 1704 Courtesy Asbestos Awareness.JPG

Name	
Caption	
Location	
Source	
Image Id	352



IMG_0286.jpg

Name	Outhouse
Caption	Internal of a AC sheet outhouse / outside toilet
Location	Domestic home
Source	Asbestos Awareness
Image Id	365



IMG_1309.JPG

Name	Outhouse with Tilux
Caption	AC Exterior outhouse lined with Tilux sheeting
Location	Domestic home

Source Asbestos Awareness

Image Id 366



Under House WCS 025.JPG

Name Under house - Asbestos Cement

Caption AC Sheets as form work and sheeting located underneath house

Location Domestic home

Source Asbestos Awareness

Image Id 367



Splashback Courtesy of Asbestos Awareness 1784.JPG

Name Splashback - Vinyl

Caption Asbestos Cement sheeting as splash back covered in vinyl.

Location Domestic home

Source Asbestos Awareness

Image Id 375



Under Wall Paper 1798 Courtesy Asbestos Awareness.JPG

Name AC Sheet behind wallpaper

Caption AC Sheeting is located behind this original wallpaper. The small round nail heads are visible under the wallpaper.

Location Domestic home

Source Asbestos Awareness

Image Id 379



Unpainted Damaged Asbestos Cement Splashback 046.JPG

Name AC Splashback

Caption Unpainted Damaged Asbestos Cement Splashback

Location Domestic home

Source Asbestos Awareness

Image Id 382



AsbestosHouses 388.JPG

Name Asbestos Cement Sheeting - Extension to Federation Home

Caption Extension to Federation house made from asbestos cement sheeting

Location	Domestic home
Source	Asbestos Awareness
Image Id	389



AAD WCS 038.JPG

Name	Unsealed AC Sheeting in Laundry
Caption	Unlined and unsealed asbestos cement sheeting of laundry
Location	Domestic home
Source	Asbestos Awareness
Image Id	393



0013AsbestosProduct.JPG

Name	AC Sheeting in Laundry
Caption	Asbestos Cement Walls are behind wall paper in this laundry
Location	Domestic home
Source	Asbestos Awareness
Image Id	394



0081AsbestosProduct.JPG

Name Unsealed AC Sheeting in Laundry

Caption Unsealed asbestos cement sheeting in laundry as splash back

Location Domestic home

Source Asbestos Awareness

Image Id 396
