

HEBEL - GENERAL PRODUCTS INSTALLATION SWMS



HEALTH HAZARD INFORMATION

The grit from the surface of Hebel blocks and panels is not respirable. When panel bundles have been installed, the grit left on the floor should be swept and or vacuumed up to prevent it being ground into a dust by pedestrian or equipment traffic.

As with all cement-based products, such as concrete slabs, concrete blocks and concrete tiles, contact with Hebel blocks or panels may irritate the skin, resulting in itchiness and occasionally a red rash. Particles in the eye are irritating and corrosive, causing watering and redness, and may result in corneal inflammation and ulceration. The wearing of gloves and suitable clothing to reduce abrasion and irritation of the skin is recommended when handling Hebel and other cement-based products, and eye protection is recommended where particles may enter the eye. As with all cement-based products, it is recommended that clothing be washed separately to prevent transfer of cement particles to other clothing.

The use of power tools for cutting, drilling, routing, chasing, sanding or breaking up of silica-based products may create dust, which contains respirable crystalline silica. Repeated and prolonged exposure to high levels of respirable crystalline silica dust may result in bronchitis, silicosis and an increased risk of lung cancer. Use dust extractors on powered cutting, routing or chasing tools and wear a P2 dust type mask when drilling, cutting, chasing, routing, sanding or breaking up all silica-based products, such as Hebel blocks, Hebel panels, bricks, concrete blocks, fibre cement, concrete and terracotta tiles, sandstone, aggregates, and concrete slabs & columns. Person working around product should be a minimum 2m away to prevent exposure (unless PPE is worn) which is minimal unless frequent and continued exposure for long periods of time.

TRAINING

Personnel installing Hebel Wall systems should receive training in the safety & technical aspects of the installation work. This training should include the following safety information:

- The components of Hebel Wall Systems.
- Composition of Hebel Aerated Autoclaved Concrete (AAC), Thin bed Adhesive & Thick bed Mortar.
- Installing Hebel safely – Hebel installation guides on www.hebel.com.au and this SWMS

SAFE WORK METHODS

Every job a Contract Installer performs will have several hazards associated with it. Before commencing work the Contract Installer, in consultation with employees, shall conduct a risk assessment of the job, & develop safe work methods that address the identified hazards. The attached forms list some of the common hazards that will be present at most installation sites and some of the common risk control measures that may be used to control these hazards.

HEBEL - GENERAL PRODUCTS INSTALLATION SWMS

Because job and site conditions vary from project to project, it is essential that Contract Installers identify the hazards associated with every installation job they perform and take steps to control the risks associated with each identified hazard. In conducting the Job Safety Analysis, the Contract Installer shall be alert for and consider other hazards that may not be listed on the attached forms.

SUPERVISION

The Installation Contractor shall adequately supervise employees to ensure that they understand the installation guides & follow these safe work methods that have been developed.

REFERENCES:

Legislation, Standards and Codes of Practice (These apply to all Hebel Supply & Fix SWMS)

Australia

- Work, Health and Safety Act 2011 & Victorian OHS Act 2004
- Work, Health and Safety Regulation 2011 & Victorian OHS Regulations 2007
- Hazardous Manual tasks Code of Practice – December 2011
- How to Manage Work, Health and Safety Risks Code of Practice – December 2011
- Managing the Risk of Falls at Workplaces Code of Practice – December 2011
- National Standard for Manual Tasks Aug 2007
- NOHSC: 2013 (1994) National Code of Practice for the Prevention of Occupational Overuse Syndrome

NEW ZEALAND

- WHS ACT 2015 (NZ)
- Managing hazards to prevent major industrial accidents - Approved Code of Practice (ACOP)
- Best practice guidelines for working at height in New Zealand
- Code of practice for Manual handling

HEBEL - GENERAL PRODUCTS INSTALLATION SWMS

HEBEL MSDS (AVAILABLE AT CSR.COM.AU/ HEBEL.COM.AU OR HEBEL.CO.NZ)

- Hebel - Autoclaved Aerated Concrete
- Hebel - Adhesive
- Hebel - Anti-Corrosive Protection Paint
- Hebel - High Build Render
- Hebel - Mortar
- Hebel - Patch
- Hebel - Skim Coat Render
- Hebel - Base Sealer
- Mixa - Fugitive Magenta Dye
- CSR - Fireseal

HEBEL - GENERAL PRODUCTS INSTALLATION SWMS

GENERAL INSTALLATION AND DELIVERY SWMS

Main Activity	SUB TASKS	POTENTIAL HAZARDS	Risk Controls	Risk Score	Responsibility
Delivery of Hebel to site	Before commencing work	Person/s and other plant/ vehicles operating in close proximity may cause collision/ falling objects	<ul style="list-style-type: none"> Pre-site risk assessment to be completed before commencing work 2 metre exclusion zone from truck when unloading Hi-Visibility clothing for persons working around mobile plant Cones in place to assist with advising of loading/ unloading Traffic control where required and spotter from side of the road Through barricades may be required as agreed with site manager Check that environmental barriers are in place or replaced if required to be removed when unloading otherwise notify the customer 	8-Moderate	Driver/ Install contractor/ Employees
	Unloading near power lines	Contact with power lines could cause electrocution	<ul style="list-style-type: none"> When unloading in the proximity of low voltage overhead power lines must not operate within 3 metres horizontally or vertically of the power lines. When unloading will in the proximity of high voltage overhead power lines must not operate within 6 metres horizontally or vertically of the power lines. Traffic cones to be used when unloading near power lines 	15-Moderate	Crane Truck operator
	Unloading Hebel by forklift.	Load exceeds lift capacity of fork lift Persons in contact with	<ul style="list-style-type: none"> Ensure fork lift driver is trained & licensed (high risk work) Ensure fork lift has enough load capacity 	10-Moderate	Employer/ Crane truck operator


HEBEL - GENERAL PRODUCTS INSTALLATION SWMS

Main Activity	SUB TASKS	POTENTIAL HAZARDS	Risk Controls	Risk Score	Responsibility
		<p>unloading forklift may cause striking/ crush to people</p> <p>Property damage to plant and equipment</p>	<ul style="list-style-type: none"> Fork not to be left operating at any time without and operator at the controls 2 metre exclusion zone from forklift or its load Establish a clear plan with the persons on site of movement for loading/ unloading (includes other trades) Spotter to be used if vision is obstructed Hi-Visibility clothing for persons working around mobile plant Persons to remain in line of site Where possible barricade areas where collision risk exist or use a spotter Ensure forklift operator is aware of scaffold location to prevent hitting causing collapse of structure Place panels in a safe area as designated by the site manager/ builder Flashing light must be installed on the rear of the forklift and reversing beeper fitted 		
		Fork lift may tip or drop Hebel panels, block bundles causing striking / crush	<ul style="list-style-type: none"> Check for pot holes & uneven ground and risk assessment completed Unload on level surfaces Drive loaded forklifts backwards down ramps & sloping surfaces Drive at appropriate speed 	15-Moderate	Forklift driver
	Unloading Hebel products by crane Truck.	Hebel may be damaged by wire slings	<ul style="list-style-type: none"> Use webbing slings of suitable lifting capacity. Do not use a sling if the capacity tag is missing. Inspect slings for damage before use against the criteria specified by the sling manufacturer. 2 metre exclusion zone from the crane and its load 	6-Low	Crane Truck operator
		Load may tilt or swing during	<ul style="list-style-type: none"> Ensure placement of slings conforms with safe lifting practices and centred 	6-Low	Employer

HEBEL - GENERAL PRODUCTS INSTALLATION SWMS

Main Activity	SUB TASKS	POTENTIAL HAZARDS	Risk Controls	Risk Score	Responsibility
		unloading	<ul style="list-style-type: none"> Ensure lifting point is centred over panel, block bundle before lifting. 		Crane Truck operator
	Unloading Hebel products with tower cranes.	<ul style="list-style-type: none"> Hazards not limited but may include; Structural failure Crane collapse Contact or collision with other Crane/s and or plant. <ul style="list-style-type: none"> Falling objects Working at heights Impalement High risk work Personal Injury: <ul style="list-style-type: none"> Falls Crushing Electric shock Plant failure/collapse Legislation breach 	<ul style="list-style-type: none"> Operator to use slow smooth operation of slew and jib/trolley controls at all times Operator to confirm jib/trolley and slew movements with dogman prior to moving the suspended load. The Crane operator must be under instruction from the Dogman when lifting the load within 5m of any adjacent structure If radio communication fails or is interrupted operator is to stop all crane movements immediately until such times that the Crane operator has resumed communication with the Dog-man Crane operator must exercise diligence at all times whilst operating the crane. If the Crane operator is not confident that a load is slung correctly, or the load is unsafe the concerns must be reported, and the appropriate measures taken only after proper consultation and correction methods have been agreed upon. If the load is obstructed from the dogman's view at any time, the Crane operator can assume to take charge of the load once sighted but not before. Ensure the Crane crew are familiar with the Crane load charts radius plans, lifting gear and lifting schedule. The crane crew is confident in their ability to correctly evaluate the loads to be lifted using visual or educated methods. 		

HEBEL - GENERAL PRODUCTS INSTALLATION SWMS

Main Activity	SUB TASKS	POTENTIAL HAZARDS	Risk Controls	Risk Score	Responsibility
	<p style="color: red;">Correct slinging method</p> 	<p>Movement of Tower Crane causing load to collide with structure or other plant.</p> <p>Inadequate training or qualification of the work crew resulting in injury</p> <p>Failure to provide appropriate equipment and or information</p> <p>Personnel struck by falling load</p> <p>Personal Injury:</p> <ul style="list-style-type: none"> - Falls - Crushing - Electric shock <p>Plant failure/collapse</p>	<ul style="list-style-type: none"> • Licensed crane operator and a trained rigger must conduct an assessment of the lift prior to commencement including sling selection, placement and slinging methods • Personnel to have appropriate qualification, training and proficiency for the tasks undertaken. • Hebel packs they must be reeved/choked and at no time should packs be basket hitched. <b style="color: red;">"Please refer to picture on left." • The competent person should consider that the reeved slings halve the lifting capacity when reeved around a pack of Hebel panels • The competent person should also consider that at 90 degrees the use of 2 slings will lift 1.41 times that of a single sling. • The lifting capacity of a sling for a straight lift is the WLL. Once the WLL has been altered due to a particular slinging method such as reeving then this is referred to as the safe working load (SWL). • <b style="color: red;">At no time is a person to stand under or in the fall shadow of any suspended load. 		
	Stacking Hebel	Crush from Hebel panels, blocks incorrectly stacked	<ul style="list-style-type: none"> • Panels can be stacked two packs high providing they are still strapped with the blocks in place. • For Solid panels (Hebel solid) in full lengths or shrink wrapped once cut to size singular stacks only • Panels that are required to be opened and split must be de-stacked. When de-stacked all panels must be braced 	10-Moderate	Crane Truck operator Install. Contractor

HEBEL - GENERAL PRODUCTS INSTALLATION SWMS

Main Activity	SUB TASKS	POTENTIAL HAZARDS	Risk Controls	Risk Score	Responsibility
			<ul style="list-style-type: none"> using either strapping or mechanical clamps or stacked flat • Timber bracing can be used with 100mm screws to secure • Normal blocks also to be singular stack • No panels to be placed on council strips/ footpaths or public access areas 		
Transferring Hebel bundles to work areas	Lifting bundles or blocks by crane	Panels may be damaged by wire slings	<ul style="list-style-type: none"> • Use webbing slings of suitable lifting capacity. Do not use a sling if the capacity tag is missing. • Inspect slings for damage before use against the criteria Specified by the sling manufacturer. • 2 metre exclusion zone from the crane and its load • Only one bundle to be lifted at a time 	10-Moderate	Crane Truck operator Tower crane operator. Rigger
		Load may tilt or swing during unloading	<ul style="list-style-type: none"> • Ensure placement of slings conforms with safe lifting practices and centred • Ensure lifting point is centred over panel, block bundle before lifting • The Dogman shall consider the weight of each pack of Hebel products, assess and select the appropriate capacity lifting chains or nylon slings that are appropriate for the weight been lifted 	10-Moderate	Crane Truck operator Tower crane operator/ Rigger
		Load may exceed capacity of loading deck or floor	<ul style="list-style-type: none"> • Check with builder/ engineer that loading deck & floor will support weight of bundles before placement 	15-Moderate	Crane Truck operator Tower crane operator/ Rigger Install. Contractor
	Moving bundles across floor	Manual handling injuries	<ul style="list-style-type: none"> • Use skates, panel trolleys and pallet jacks to move panel bundles (Further information available in the panel trolley SWMS where used) • Use two man lift as required 	9-Moderate	Install. Contractor

HEBEL - GENERAL PRODUCTS INSTALLATION SWMS

Main Activity	SUB TASKS	POTENTIAL HAZARDS	Risk Controls	Risk Score	Responsibility
		Falls through openings & trip hazards	<ul style="list-style-type: none"> Inspect route for moving panels for trip hazards Ensure all penetrations and gaps are safely covered Minimise openings between the building and scaffold not more than 250mm 	9-Moderate	Install. Contractor
Use of Power Tools		Faulty equipment may cause injury.	<ul style="list-style-type: none"> Ensure all tools & equipment are in safe working condition & are adequately guarded and tagged. Ensure that tools and equipment are adequately maintained and used in accordance with the manufacturer's instructions. Generators used on site. Fuel to be stored in vehicle. Leads run to equipment must not cause a trip hazard. SDS available for fuel 	5-Low	Install. Contractor
		Worker could be electrocuted	<ul style="list-style-type: none"> All electrical equipment to be tested and tagged in accordance with the relevant standards. 	10-Moderate	Install. Contractor
			<ul style="list-style-type: none"> Use Earth Leakage current protection (RCD's). 	10-Moderate	Install. Contractor
			<ul style="list-style-type: none"> Temporary power boards to be correctly set up. 	10-Moderate	Install. Contractor
			<ul style="list-style-type: none"> Multi-plug electrical devices comply with AS-3105. 	10-Moderate	Install. Contractor
			<ul style="list-style-type: none"> Keep extension leads clear of ground and water. 	10-Moderate	Install. Contractor
			<ul style="list-style-type: none"> Use double insulated electrical tools. 	10-Moderate	Install. Contractor
Installing the metal accessories (i.e. Top hat Batten and angles)	Storage of metal accessories	May present a trip hazard	<ul style="list-style-type: none"> Ensure metal accessories are stored in a safe location away from general thoroughfares. 	5-Low	Install. Contractor

HEBEL - GENERAL PRODUCTS INSTALLATION SWMS

Main Activity	SUB TASKS	POTENTIAL HAZARDS	Risk Controls	Risk Score	Responsibility
	Cutting of metal accessories	Sharp edges on cut surfaces	<ul style="list-style-type: none"> Wear gloves complying with AS-2161.3 for mechanical protection. Ensure tin snips are used. 	5-Low	Install. Contractor
		Particles from cutting with cut off saw or angle grinder may damage eyes	<ul style="list-style-type: none"> Wear safety glasses or goggles complying with AS1337 for medium (Class I) or high (Class V) impact. Follow manufacturers' instructions for safe use of tools. 	5-Low	Install. Contractor Install. Contractor
	Securing metal accessories	Coming into contact with services: Electric shock Gas pipes leak Water pipes leak	<ul style="list-style-type: none"> Identify services and mark out where possible the location of these, this helps identify the services when doing an install to prevent any contact with them Ensure when fixing metal accessories, that there is at least 150mm clearance from any services where the screw is to be placed Where a screw needs to be placed close to these services (and vision is obstructed), a spotter is to be used to ensure no contact is made with the services 	10 - Moderate	Install. Contractor
		Off cuts left on floor	<ul style="list-style-type: none"> Place off cuts in bin or safe storage area. Ensure fire risk is controlled where sparks are created to minimise outbreak of fire 	6-Low	Install. Contractor
		Fall from height	<ul style="list-style-type: none"> Use scaffold or small platform ladders in accordance with manufacturers' instructions & Australian Standards AS-2359.1 	10-Moderate	Install. Contractor
Cutting of Hebel	Removing panels from the bundle	Metal packaging corners left on floor	<ul style="list-style-type: none"> Place metal corners in bin or safe storage area. 	5-Low	Install. Contractor
		Manual handling injuries	<ul style="list-style-type: none"> Use either <ul style="list-style-type: none"> Hebel Powerpanel trolley C channel trolley E-Lifters and 2-person lifts 	9-Moderate	Install. Contractor
		Other panels may fall over	<ul style="list-style-type: none"> If necessary, provide temporary bracing of panels. A length of angle can be nailed across the top of the bundle as a simple brace. 	9-Moderate	Install. Contractor

HEBEL - GENERAL PRODUCTS INSTALLATION SWMS

Main Activity	SUB TASKS	POTENTIAL HAZARDS	Risk Controls	Risk Score	Responsibility
	Sawing panels	Blade may shatter on impact with steel reinforcing	<ul style="list-style-type: none"> Use segmented diamond tipped cutting blade with the correct bonding matrix. Wear safety glasses or goggles complying with AS-1337 for medium (Class I) or high (Class V) impact. Follow manufacturers' instructions for safe use of tools 	10-Moderate	Install. Contractor Install. Contractor
		Particles from cutting may damage eyes	<ul style="list-style-type: none"> Wear safety goggles complying with AS-1337 for medium (Class I) or high (Class V) impact. Follow manufacturers' instructions for safe use of tools 	5-Low	Install. Contractor
		Inhalation of silica dust	<p>PPE and cutting equipment:</p> <ul style="list-style-type: none"> Person operating the power saw must wear a P2 half face respirator during cutting and fitted in accordance with the manufactures recommendations in line with AS-1337) <ul style="list-style-type: none"> Additional persons in the area whilst cutting must also where a P2 mask if within 3 metres of the cutting area Powered dust extraction must be fitted to all power saws <ul style="list-style-type: none"> Clean out the dust cowl on the saw at least daily to eliminate blockages & maintain good dust extraction. Adjust dust cowlings on power saws to provide maximum enclosure for dust collection. Check dust extractors regularly to ensure seals are in good condition & they are providing good suction Empty dust bags regularly. Ensure that disposable bags are tied off to prevent the dust falling out of the bag. If reusable bags are used, then the contents should be emptied into a 	6-Low	Install. Contractor Install. Contractor

HEBEL - GENERAL PRODUCTS INSTALLATION SWMS

Main Activity	SUB TASKS	POTENTIAL HAZARDS	Risk Controls	Risk Score	Responsibility
			<p>plastic bag that is tied off before disposal.</p> <ul style="list-style-type: none"> ○ For dust extractors ensure they are fitted with a minimum H class filter, clean the filter daily using another dust extractor (where possible) ● Using a plunge cut saw set the depth of cut to 2mm less than the thickness of the panel on power saws to prevent blow through of dust during cutting <p>When Cutting outdoors:</p> <ul style="list-style-type: none"> ● Designate a dedicated cutting area, generally away from other trades considering the wind direction and the environment around you. ● <p>When Cutting indoors:</p> <ul style="list-style-type: none"> ● Wear the PPE and use the cutting tools detailed above. ● Create a dedicated cutting area that can be sealed (e.g. a cutting room) to isolate dust from spreading to unwanted areas. ● The cutting room should be managed to minimise the exposure considering that dust concentrations within the cutting room will vary dependent on the amount of cutting, duration of cutting, ventilation mechanical or natural, size of the cutting room, etc. <ul style="list-style-type: none"> ○ Ventilation is advised to reduce dust concentrations, and this will vary from natural to mechanical, with mechanical being best practice. ● Maintain regular housekeeping inside the cutting room by using an appropriate dust extraction/ vacuum system 		

HEBEL - GENERAL PRODUCTS INSTALLATION SWMS

Main Activity	SUB TASKS	POTENTIAL HAZARDS	Risk Controls	Risk Score	Responsibility
			<ul style="list-style-type: none"> ○ If a broom is used wet the area prior to sweeping to prevent airborne dust, bag and dispose of appropriately 		
		Dust may cause skin irritation	<ul style="list-style-type: none"> • Wear gloves complying with AS-2161.3 for mechanical protection when handling the product to prevent skin irritation & abrasion. • Consider the use of long-sleeved shirts & long trousers if irritation occurs. • Launder clothing regularly & separately. 	1-Low	Install. Contractor
		Noise may damage hearing being 88.5dba	<ul style="list-style-type: none"> • Wear earplugs or earmuffs during cutting in line with AS-1259.1 equipment • Person must be at least 2m away when cutting otherwise protection must be worn 	10-Moderate	Install. Contractor
		Off cuts of panels may be a trip hazard	<ul style="list-style-type: none"> • Place panel off cuts in bin or safe storage area once each cut is finished to remove the waste 	5-Low	Install. Contractor
Mixing Hebel Thin Bed Adhesive/ Thick Bed Mortar and Render products	Handling 20 kg bags	Back injury	<ul style="list-style-type: none"> • Use trolleys, wheelbarrows & other aids to assist with moving bags. • Maintain clearance around & above stored bags to avoid lifting with awkward postures. • When lifting from low heights bend the knees to a semi-squat position with feet about shoulder width apart, lean over from the hips, and keeping the back straight with the tail pushed out. • Carry loads close to the body. • Avoid twisting. Turn by using small steps. 	9-Moderate	Install. Contractor
	Mixing the Adhesive/ Mortar or Render products	Inhalation of silica dust	<ul style="list-style-type: none"> • Add water to mixing containers before adding adhesive/ mortar or render mix to reduce dust. • Wear class P2 respirator when tipping contents of bag into container & when mixing. 	6-Low	Install. Contractor

HEBEL - GENERAL PRODUCTS INSTALLATION SWMS

Main Activity	SUB TASKS	POTENTIAL HAZARDS	Risk Controls	Risk Score	Responsibility
			<ul style="list-style-type: none"> Ensure persons within 3 meters of the mixing area are also wearing a P2 Mask to minimise exposure Ensure all dried adhesive and mortar should be bagged and placed into the appropriate general waste bin 		
		Eye irritation from contact with dust or wet adhesive/mortar.	<ul style="list-style-type: none"> Wear safety glasses or goggles complying with AS-1337 while handling open bags & when mixing. Do not use excessive speed when stirring. A variable speed drill is preferable. Ensure the stirrer has completely stopped rotating before removing from the mix to avoid splashing of the wet adhesive or mortar. 	5-Low	Install. Contractor
		Contact with the skin may cause irritation, burning of the skin or dermatitis.	<ul style="list-style-type: none"> Avoid repeated contact by wearing gloves complying with AS-2161.3 for mechanical protection when handling the dry & wet adhesive & mortar. Do not use excessive speed when stirring. A variable speed drill is preferable. Ensure the stirrer has completely stopped rotating before removing from the mix to avoid splashing of the wet adhesive or mortar. Consider the use of long-sleeved shirts & long trousers if irritation occurs. 	3-Low	Install. Contractor
		Electric drill may burn out.	<ul style="list-style-type: none"> Ensure the drill has sufficient power to operate the stirrer. 	3-Low	Install. Contractor
		Half empty bags may present a trip hazard	<ul style="list-style-type: none"> Place empty bags in bin or safe storage area. Ensure partly used bags are safely stored. 	5-Low	Install. Contractor
Housekeeping Summary	Storage of metal accessories	May present a trip hazard	<ul style="list-style-type: none"> Ensure metal accessories are stored in a safe location away from general thoroughfares. 	5-Low	Install. Contractor

HEBEL - GENERAL PRODUCTS INSTALLATION SWMS

Main Activity	SUB TASKS	POTENTIAL HAZARDS	Risk Controls	Risk Score	Responsibility
	Sawing panels/ blocks/ mixed wet products	Inhalation of silica dust	<ul style="list-style-type: none"> Clean the work areas regularly by scraping, vacuuming or as appropriate. Lightly dampen the area before sweeping. Sweepings that contain dusty material should be placed in disposable bags & tied off before placement in waste containers. Large particles & off cuts do not need bagging. Ensure P2 masks is worn when cleaning 	6-Low	Install. Contractor
	General	bags of adhesive empty pallets, off cuts of panels, metal accessories may present a trip hazard	<ul style="list-style-type: none"> Place empty bags, off cuts, packaging materials & metal accessories angles in bin or safe storage area. Ensure partly used bags are safely stored. 	5-Low	Install. Contractor
	General	Tools & power leads may be a trip hazard	<ul style="list-style-type: none"> Ensure that tools & power leads are not left lying in areas where people may trip over them. 	3-Low	Install. Contractor
	Cutting metal accessories	Sharp edges on cut surfaces	<ul style="list-style-type: none"> Wear gloves complying with AS 2161.3 for protection as required 	3-Low	Install. Contractor
PPE Summary		Particles from cutting with plunge cut saw may damage eyes	<ul style="list-style-type: none"> Wear safety glasses or goggles complying with AS1337 for medium (Class I) or high (Class V) impact. 	3-Low	Install. Contractor
	Sawing panels	Blade may shatter on impact with steel reinforcing	<ul style="list-style-type: none"> Wear safety glasses or goggles complying with AS1337 for medium (Class I) or high (Class V) impact. 	9-Moderate	Install. Contractor
		Particles from cutting may damage eyes	<ul style="list-style-type: none"> Wear safety glasses or goggles complying with AS1337 for medium (Class I) or high (Class V) impact. 	3-Low	Install. Contractor
		Inhalation of silica dust	<ul style="list-style-type: none"> Person operating the power saw must wear a P2 respirator dust mask during cutting and cleaning 	6-Low	Install. Contractor

HEBEL - GENERAL PRODUCTS INSTALLATION SWMS

Main Activity	SUB TASKS	POTENTIAL HAZARDS	Risk Controls	Risk Score	Responsibility
		Dust may cause skin irritation	<ul style="list-style-type: none"> Wear gloves complying with AS 2161.3 for mechanical protection when handling the product to prevent skin irritation & abrasion. Consider the use of long-sleeved shirts & long trousers if irritation occurs. 	3-Low	Install. Contractor
		Noise may damage hearing	<ul style="list-style-type: none"> Wear earplugs or earmuffs during cutting. 	10-Moderate	Install. Contractor
	Mixing the adhesive or mortar.	Inhalation of silica dust	Wear class P2 dust mask when tipping contents of bag into container & when mixing.	6-Low	Install. Contractor
		Eye irritation from contact with dust or wet adhesive/mortar.	<ul style="list-style-type: none"> Wear safety glasses or goggles complying with AS1337 while handling open bags & when mixing. 	3-Low	Install. Contractor
		Contact with the skin may cause irritation, burning of the skin or dermatitis.	<ul style="list-style-type: none"> Avoid repeated contact by wearing gloves complying with AS 2161.3 for mechanical protection when handling the dry & wet adhesive & mortar. Consider the use of long-sleeved shirts & long trousers if irritation occurs 	3-Low	Install. Contractor
	Applying thin bed adhesive	Eye irritation from contact wet adhesive or mortar.	<ul style="list-style-type: none"> Wear safety glasses or goggles complying with AS1337. 	9-Moderate	Install. Contractor
		Contact with the skin may cause irritation, burning of the skin or dermatitis.	<ul style="list-style-type: none"> Avoid repeated contact by wearing gloves complying with AS 2161.3 for mechanical protection when handling the wet adhesive & mortar. Consider the use of long-sleeved shirts & long trousers if irritation occurs. 	3-Low	Install. Contractor
	Lifting panels into position	Crush & abrasion injuries to hands or arms	<ul style="list-style-type: none"> Wear gloves complying with AS 2161.3 for mechanical protection to avoid abrasion to the hands. 	3-Low	Install. Contractor
	Grouting joints	Eye irritation from contact wet adhesive or mortar.	<ul style="list-style-type: none"> Wear safety glasses or goggles complying with AS1337. 	3-Low	Install. Contractor

HEBEL - GENERAL PRODUCTS INSTALLATION SWMS

Main Activity	SUB TASKS	POTENTIAL HAZARDS	Risk Controls	Risk Score	Responsibility
		Contact with the skin may cause irritation, burning of the skin or dermatitis.	<ul style="list-style-type: none"> Avoid repeated contact by wearing gloves complying with AS 2161.3 for mechanical protection when handling the wet adhesive & mortar. Consider the use of long-sleeved shirts & long trousers if irritation occurs. 	3-Low	Install. Contractor
	Handling / fixing board	Sprain/ strain from handling sheets	<ul style="list-style-type: none"> Cut sheets at the stack to reduce weight of load Ensure that if sheets are above 3 meters in length that this is a two-person lift Ensure that correct manual handling techniques are used Beware of wind 	9-Moderate	Install. Contractor
Fibre Cement Installation	Cutting	Inhalation of silica dust	<ul style="list-style-type: none"> Person operating the power saw must wear a P2 dust mask during cutting or scoring Use a fibre cement sheet cutter or scoring tool 	10-Moderate	Install. Contractor

HEBEL - GENERAL PRODUCTS INSTALLATION SWMS

TRAINING SIGN-OFF

Having regard to the hazards and risks associated with this SWMS, CSR Hebel have trained the contractors. The contractors will be trained by their manager/ supervisor and records and sent back to CSR Hebel as proof of this training being undertaken

Employee Name	Employee Signature	Date of Course	Trainer/ Supervisor Name	Trainer/ Supervisor Signature	Date of Course