SUPERSLEEPER

Composite retaining wall

<VERSION 1>

glass outlet



YOUR TRADE PARTNER / INNOVATION, QUALITY, SERVICE

WHOLESALE & TRADE ONLY

The essentials.

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ADVANTAGES OF GLASS OUTLET

Due to space restrictions, not all stock featured in this catalogue is stocked at all depots.

We recommend touching base with your closest depot prior to order placement if unsure.

Wholesale & trade only supplier

Our focus is providing complete solutions to the trade only. This clear focus allows us to provide the best customer service & quality products to the trade.

High quality products

We pride ourselves on attention to detail in all aspects of sourcing and supplying products. We look domestically and worldwide for factories with the skills and equipment capable of manufacturing the highest quality product at a competitive price. Our quality control team regularly visit our factories to ensure our high standards are always being met.

One stop shop

To save you time, we aim to provide complete systems at one purchase destination with the best price. Being a one stop shop also enables us to control the quality of the whole system. We consistently update catalogues and online capabilities to improve customer experiences.

Delivery to your door

With multiple distribution centres across the country with products in stock & dedicated delivery trucks, we aim to provide fast delivery every time. As well as utilising our own trucks, we've developed strong relationships with key transport providers across Australia so we can deliver even when the job is not so close to home.

Easy installation

We design products with installation considerations in mind to ensure they are as easy to install as possible to save you time on site. Many products offered have handy installation advantages built in.





PLAIN GREY

WOODLAND GREY (G)

Note: Colours displayed are a guide only

INTRODUCING **SUPERSLEEPER**

SuperSleeper is a leader in the Australian retaining wall industry, redefining the standards of quality and innovation. Focused on delivering excellence, SuperSleeper introduces a groundbreaking product that revolutionises the traditional approach to retaining walls.

SuperSleeper offers an advanced retaining wall system that outperforms traditional concrete sleepers and other products on the market. Made from cutting-edge composite materials, the SuperSleeper system is engineered for unmatched strength, durability, and environmental sustainability.

Stronger and more **durable** than any alternative, SuperSleeper is the ideal choice for your next retaining wall or landscaping project.

Designed by registered and internationally certified Chartered Engineers, SuperSleeper's composite sleepers are highly sought after for their sleek, modern aesthetic, making them the perfect addition to elevate any garden or landscape structure.

The SuperSleeper product line consists of the main horizontal component, the SuperSleeper, alongside the SuperPost, SuperCap, SuperBracket, and SuperSupport. Together, these elements form an interlocking system, simplifying installation and creates a very sturdy, visually appealing structure. They are crafted from premium FRP (Fiber Reinforced Polymer), the products are designed specifically for engineers and contractors seeking the most reliable / durable retaining wall materials in Australia.

WHY CHOOSE SUPERSLEEPER?

- **Unmatched Durability:** Made with high-grade isophthalic polyester resin, SuperSleeper offers exceptional corrosion and chemical resistance, ensuring your projects stand the test of time.
- **Advanced Protection:** The manufacturing process includes a built-in UV inhibitor and a surface veil that not only enhances UV radiation resistance but also shields against moisture. This means the mechanical properties of SuperSleeper remain stable and dependable, no matter the conditions.
- **Lightweight and Versatile:** SuperSleeper is designed for ease of use. The lightweight material makes for a quick and easy DIY installation, with each SuperSleeper weighing under 6kg, in turn saving you both time and money. The SuperSleeper is perfect for a variety of applications – from charming and aesthetically pleasing residential landscapes to robust commercial infrastructure projects.

SuperSleeper products excel in quality and sustainability, utilising composite materials that cut CO2 emissions by up to 75% during manufacturing compared to traditional options. With their durability, eco-friendliness, long lifespan, low maintenance, and ease of installation, SuperSleeper is revolutionising the construction industry for composite retaining walls.

Stronger, faster, and easier – Transform your landscaping and engineering projects with SuperSleeper choose the trusted name in FRP and experience the difference in quality and performance. Elevate your work today!



Note: Consult with a building professional or local council to ensure that all regulatory and engineering requirements are met prior to construction.

BENEFITS OF COMPOSITE MATERIALS



STRENGTH

Engineered to exceed Australian Standards, ensuring minimal deflection from applied loads and reducing long-term deformation compared to other commonly used materials.



SUSTAINABLE

Environmentally friendly alternative to competing materials.



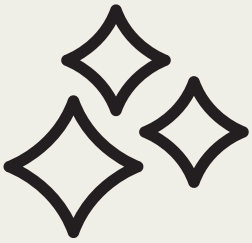
CORROSION RESISTANT

Water-resistant and won't rot, enabling it to endure the harsh Australian conditions without decaying over time.



LIGHTWEIGHT

Each SuperSleeper weighs less then 6kg, making the DIY installation process quick and easy!



CLEAN LOOK

Aesthetically pleasing made to exact specifications evetime the SuperSleeper deliveries a consistent flush finish and results you need for your next project.



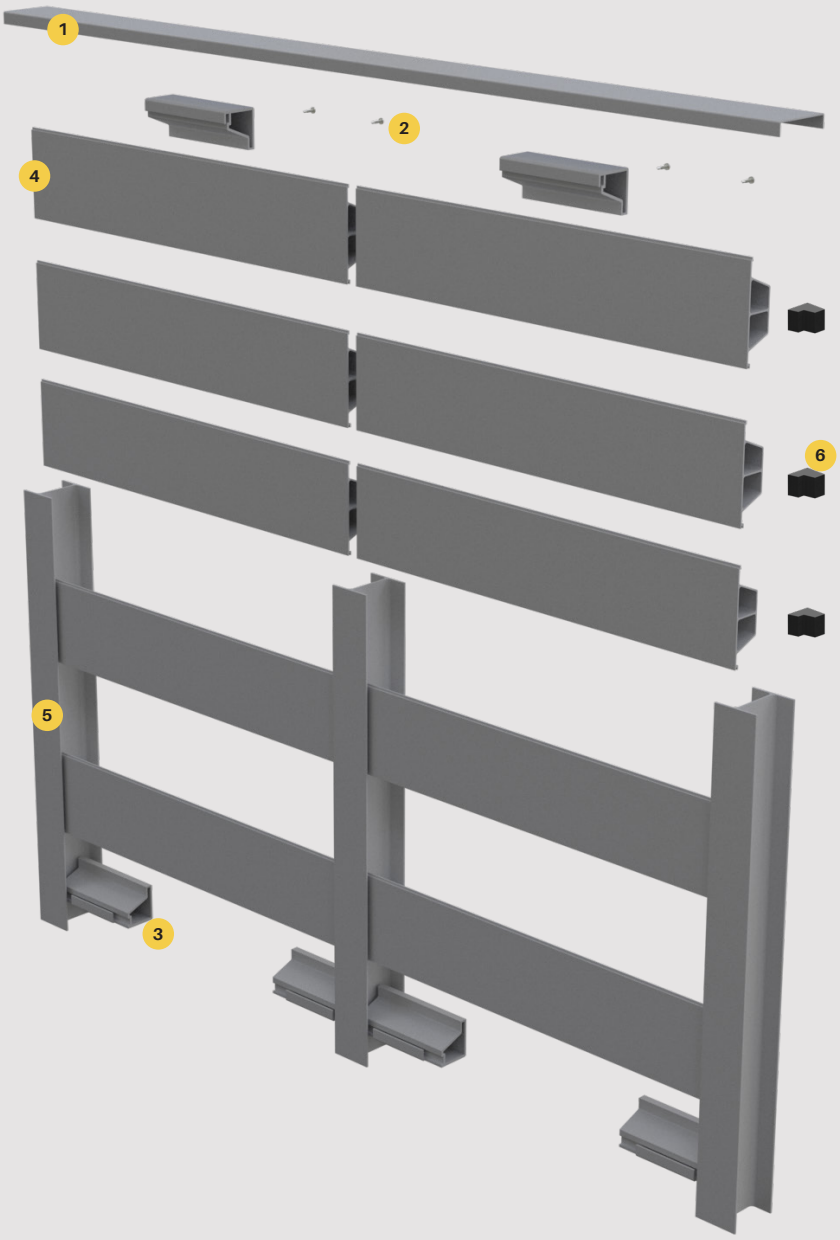
LOW MAINTENANCE

Designed to outlast other traditional materials, enjoy the long lasting SuperSleeper for many years to come.

glass outlet

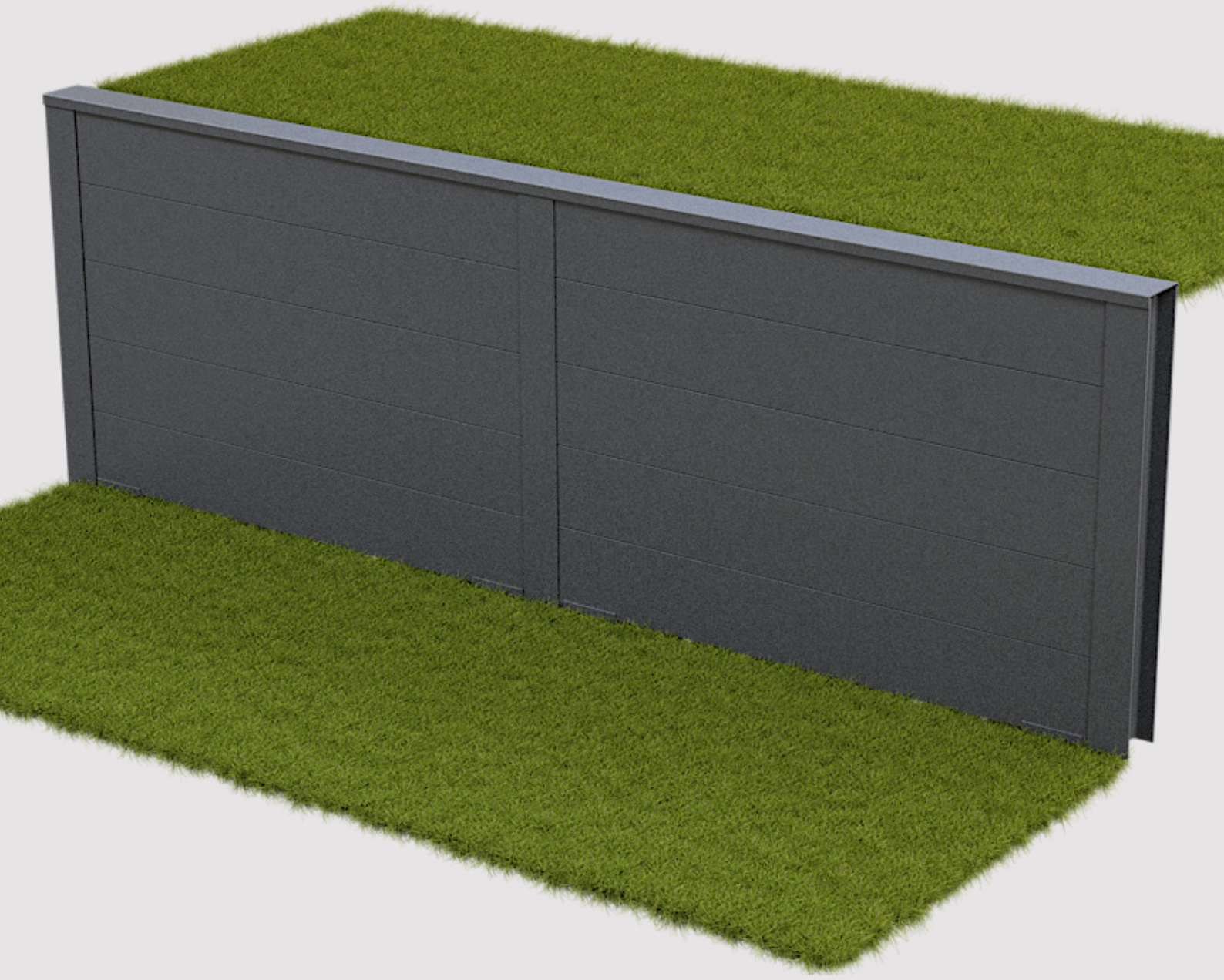
SUPERSLEEPER OVERVIEW

1. **Channel Cap**
2. **Galvanised screws** *(supplied by others)*
3. **SuperSupport** *(critical component)*
4. **SuperSleeper**
5. **SuperPost**
6. **SuperWedge**



Images & drawings are not to scale

SUPERSLEEPER OVERVIEW



Images & drawings are not to scale

glass outlet

SUPERSLEEPER

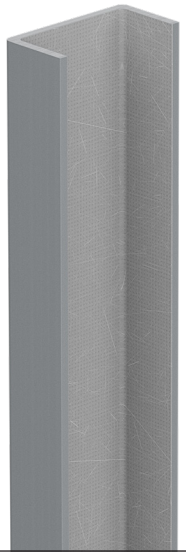
SuperPost – "C" Post

100mmW x 50mmD x 2400mmL

Composite Material – Plain Grey

Order Code: **SUP-POST-100C-2.4**

- Retaining wall vertical end post
- Allows insertion of the horizontal 205mmH x 60mmD SuperSleeper
- C-shape profile also allows for retaining wall corners or change of direction for walls up to 1000mm high



FINISH

PLAIN GREY

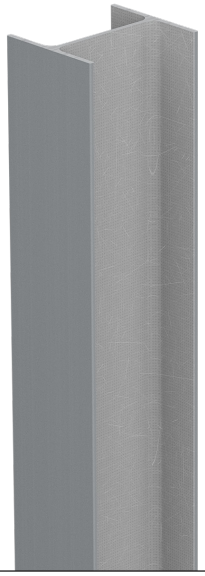
SuperPost – 'H' post – 2400mmL

100mmW x 120mmD x 2400mmL

Composite Material – Plain Grey

Order Code: **SUP-POST-120H-2.4**

- Retaining wall vertical post
- Allows insertion of the horizontal 205mmH x 60mmD SuperSleeper
- H-shape profile typically used as an intermediate post for walls up to 1000mm high



FINISH

PLAIN GREY

SuperPost – 'H' post – 3200mmL

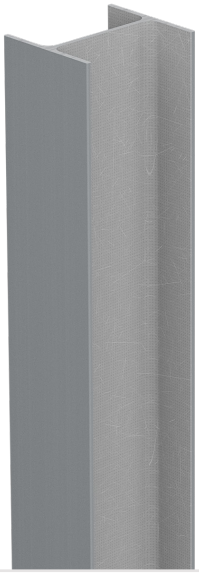
180mmW x 100mmD x 3200mmL

Composite Material – Plain Grey

Order Code: **SUP-POST-180H-3.2**

- Retaining wall vertical post
- Allows insertion of the horizontal 205mmH x 60mmD SuperSleeper
- Heavy duty H-shape profile typically used as an intermediate post for walls ranging from 1000mm high to 1600mm high*

** Ensure site-specific engineering prior to installation*



FINISH

PLAIN GREY

Images & drawings are not to scale

SUPERSLEEPER

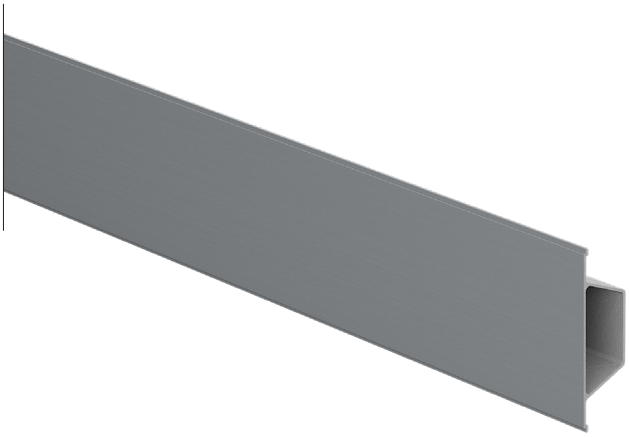
SuperSleeper – 2350mmL

205mmH x 60mmD x 2350mmL

Composite Material – Plain Grey

Order Code: **SUP-SLEEPER-2.35**

- Retaining wall horizontal support beam
- For wall heights up to 600mm.



FINISH



PLAIN GREY

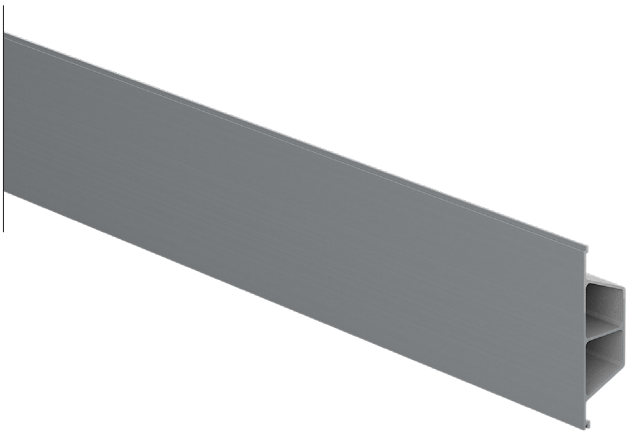
SuperSleeper – 1950mmL

205mmH x 60mmD x 1950mmL

Composite Material – Plain Grey

Order Code: **SUP-SLEEPER-1.95**

- Retaining wall horizontal support beam with centre webbing
- For wall heights up to 1000mm
- The shorter span, combined with a centre web, offers greater earth retention



FINISH



PLAIN GREY

SuperSupport

89mmW x 83mmD x 250mmL

Composite Material – Plain Grey

Order Code: **SUP-SUPPORT**

- Provides foundational support and stability to the bottom sleeper
- Two SuperSupports required per bottom sleeper
- Assist to distribute the vertical weight of the retaining wall evenly and prevents settling or shifting of the wall over time
- Additionally, 'SuperSupport' can be used for providing further stability to the SuperCap when installed atop of top sleeper during retaining wall construction



FINISH



PLAIN GREY

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glass outlet

SUPERSLEEPER

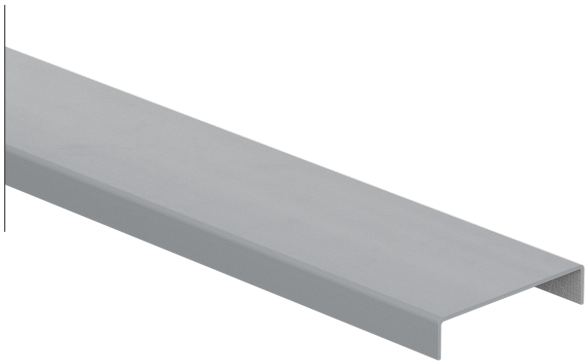
Channel Cap – 2425mm long

125mmW x 25mmD x 2425mmL

Composite Material – Plain Grey

Order Code: **SUP-CAP-2.425**

- Retaining wall capping profile typically used on low retaining walls without a fence above
- Shields the wall from weathering, whilst enhancing the wall's appearance



FINISH



PLAIN GREY

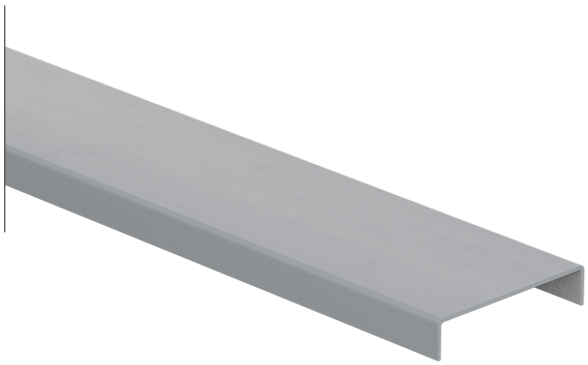
Channel Cap – 2030mm long

125mmW x 25mmD x 2030mmL

Composite Material – Plain Grey

Order Code: **SUP-CAP-2.03**

- Retaining wall capping profile typically used on low retaining walls without a fence above
- Shields the wall from weathering, whilst enhancing the wall's appearance



FINISH



PLAIN GREY

Super Bracket

90mmW x 6mmD x 610mmL

Composite Material – Plain Grey

Order Code: **SUP-BRACKET**

- A retaining wall 'SuperBracket' is a specialised bracket designed to attach a fence directly to a retaining wall
- Provides a secure and stable connection between the fence and the retaining wall posts.
- Affixes to retaining wall posts using SuperBolts and M12 Nyloc Safety Nuts



FINISH



PLAIN GREY

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SUPERSLEEPER

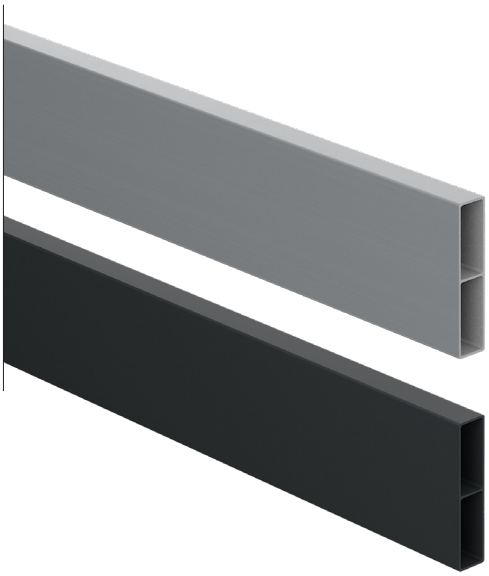
SuperPlinth – 2340mmL

150mmH x 40mmD x 2340mmL

Composite Material – Plain Grey or Monument finish

Order Code: **SUP-PLINTH-2.34**
SUP-PLINTH-2.34-MN (Monument)

- Installed at the base of a fence, particularly in situations where the fence needs to be raised or elevated
- Provides stability to the fence, preventing soil erosion, and enhancing the overall appearance of the fence line.



FINISHES



PLAIN GREY MONUMENT

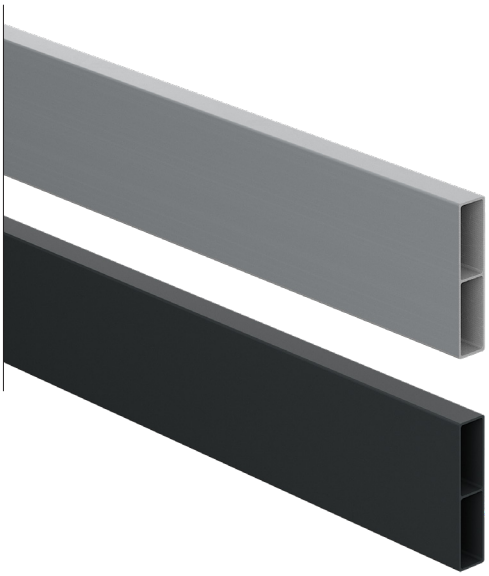
SuperPlinth – 3160mmL

150mmH x 40mmD x 3160mmL

Composite Material – Plain Grey or Monument finish

Order Code: **SUP-PLINTH-3.16**
SUP-PLINTH-3.16-MN (Monument)

- Installed at the base of a fence, particularly in situations where the fence needs to be raised or elevated
- Provides stability to the fence, preventing soil erosion, and enhancing the overall appearance of the fence line



FINISHES



PLAIN GREY MONUMENT

SuperDrain

0.9m W x 15m long

ROLL

Order Code: **SUP-DRAIN**

- Drainage cell/drainage mat, used in the construction of retaining walls to manage water drainage
- Consists of a series of interconnected dimples that create channels for water to flow through
- Position the drainage cell behind the retaining wall structure to collect and redirect water away from the wall, preventing hydrostatic pressure buildup and potential wall failure



Images & drawings are not to scale

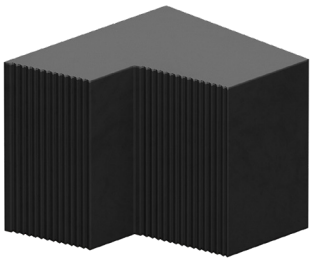
SUPERSLEEPER

SuperWedge

Black Plastic finish

Order Code: **SUP-WEDGE**

- Designed to securely hold the SuperSleeper in place during installation – 2 per sleeper
- Shape allows for easy insertion and adjustment, ensuring a tight fit between the SuperSleeper and SuperPost



FINISH

BLACK

SuperBolt

M12x25 Button Bolt

Sold as single bolt

Zinc Plated finish

Order Code: **SUP-BOLT**

- M12 thread
- Use with SUP-NUT to affix SuperBracket to SuperPost



FINISH

ZINC

M12 Nyloc Safety Nut

Sold as single nut

Zinc Plated finish

Order Code: **SUP-NUT**

- Suits M12 thread
- Use with SUP-BOLT to affix SuperBracket to SuperPost



FINISH

ZINC

Images & drawings are not to scale

ORDER CODES

Order Code	Description	Finishes
SUP-POST-100C-2.4	SuperPost – 'C' post 100mmW x 2400mmL	
SUP-POST-120H-2.4	SuperPost – 'H' post 120mmD x 2400mmL	
SUP-POST-180H-3.2	SuperPost – 'H' post 180mmW x 3200mmL	
SUP-SLEEPER-1.95	SuperSleeper – 205mmH x 1950mmL	
SUP-SLEEPER-2.35	SuperSleeper – 205mmH x 2350mmL	
SUP-SUPPORT	SuperSupport – 89mmW x 250mmL	
SUP-CAP-2.03	SuperCap Channel – 125mmW x 2030mmL	
SUP-CAP-2.425	SuperCap Channel – 125mmW x 2425mmL	
SUP-BRACKET	SuperBracket 90mmW x 610mmL	
SUP-PLINTH-2.34	SuperPlinth – 150mmH x 40mmD x 2340mmL	
SUP-PLINTH-2.34-MN	SuperPlinth – 150mmH x 2340mmL – Monument	
SUP-PLINTH-3.16	SuperPlinth – 150mmH x 40mmD x 3160mmL	
SUP-PLINTH-3.16-MN	SuperPlinth – 150mmH x 3160mmL – Monument	
SUP-DRAIN	SuperDrain (10mm) – 0.9mW x 15mL – Roll	
SUP-WEDGE	SuperWedge Plastic	
SUP-BOLT	SuperBolt M12x25 Button Bolt Zinc Plated (10.9) – sold as single bolt	
SUP-NUT	SuperNut M12 Nyloc Safety Nut – sold as single nut	

FINISHES

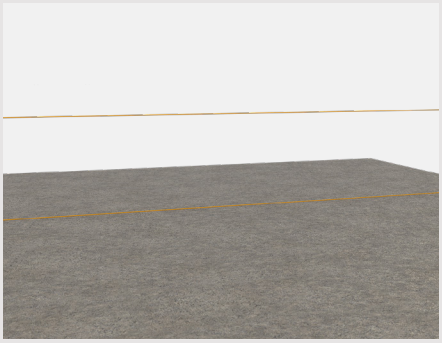


PLAIN GREY MONUMENT

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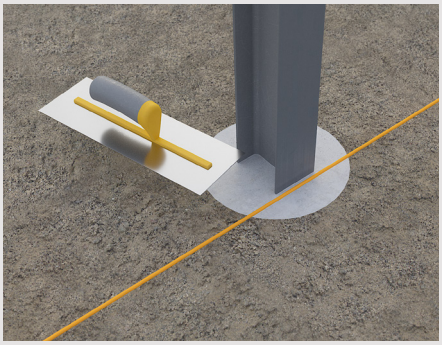
INSTALLATION OVERVIEW

Before commencing construction, it's advisable to consult with a building professional or your local council to ensure that you meet all regulatory and engineering requirements. Ensure all appropriate Personal Protective Equipment (PPE) is implemented prior to cutting, drilling and installation of the retaining wall, considering inhalation, eye, and skin contact.



STEP 1

Install string lines at the top and bottom of where the posts will stand.



STEP 2

Dig holes and place posts in position.
Set posts in concrete, ensuring they are level.
Use a trowel to ensure all footings are level and at the same height.



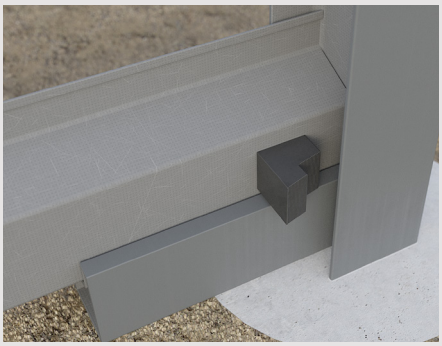
STEP 3

Slide SuperSupports onto each end of the SuperSleeper, ensuring the groove faces downward into the SuperSupport.



STEP 4

Position the first SuperSleeper with Super supports between the posts.



STEP 5

Insert a SuperWedge between the SuperSleeper on the inside of each post.



STEP 6

Continue installing additional SuperSleepers to the required height.

TRADE TIPS

CUTTING

Use a carbide or diamond grit edge blade when performing circular cuts with SuperSleeper products. To achieve optimal results, especially in high volume production cutting scenarios, select a diamond blade with a grit rating between 60 and 80.

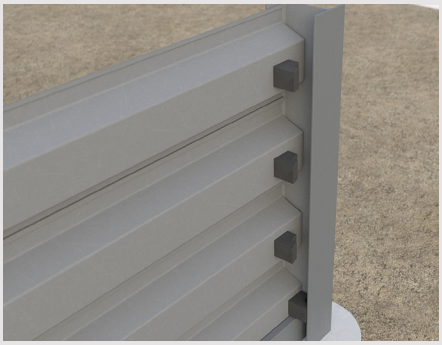
Ensure the implementation of effective dust control measures to mitigate potential hazards associated with dust particles generated during cutting.

DRILLING

Use a standard high speed drill bit to drill SuperSleeper products. However, like all high speed drill bits, they must be sharpened occasionally. For high volume drilling, use a carbide tipped drill bit.

Additionally, similar to drilling steel or wood, it is recommended to use similar measures, such as a backing plate or lubricant for thicker plates.

INSTALLATION OVERVIEW



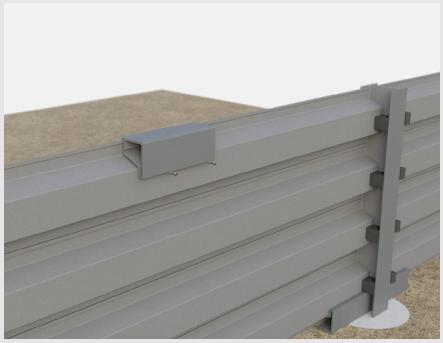
STEP 7

Insert SuperWedges for each installed SuperSleeper.



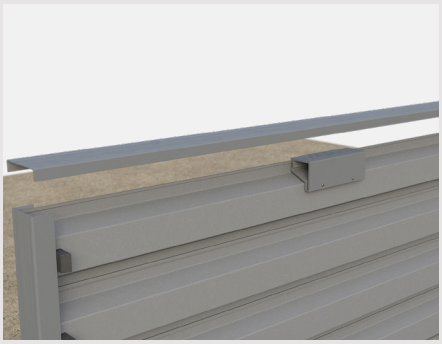
STEP 8

If using a SuperCap capping rail – before installing the top SuperSleeper, slide on a SuperSupport, position it in the center and ensure that it is level.



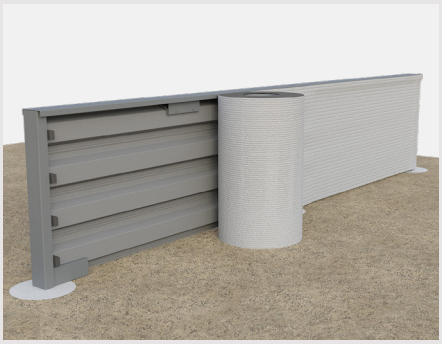
STEP 9

Secure the top SuperSupport to the top SuperSleeper with galvanized screws.



STEP 10

Install the SuperCap and secure it to the front or back face as required.



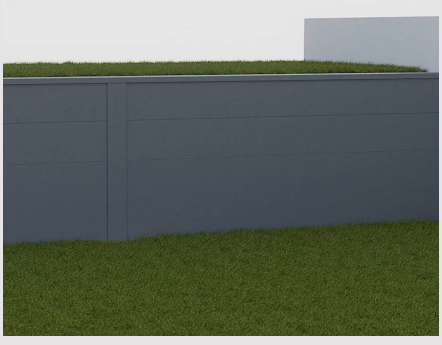
STEP 11

Place SuperDrain against the back of the wall to assist with drainage.



STEP 12

Install a drainage pipe and backfill.



FINISH

Retaining wall complete!



OUR DEPOTS

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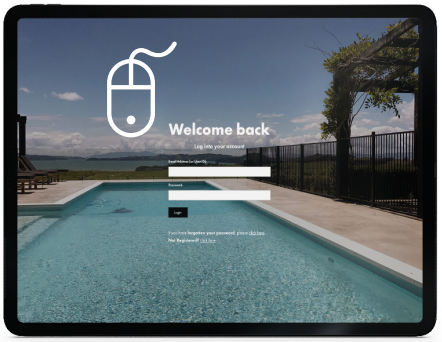
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