

hanit<sup>®</sup>

# FENCING RANGE

100% RECYCLED PLASTIC PRODUCTS MADE IN UK, GERMANY & CANADA



Beautiful fences that never need painting or treating? That's why HAHN fences are so effective. They're rot-free, made of hanit® and come with a 20-year warranty.

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# Let's talk TRASH

## WELCOME TO THE WORLD OF USED PLASTIC

Our raw material is used plastic. Although that sounds simple, the market for used plastic is extensive, growing and surprisingly complicated.

There is a huge variety of used plastic on the market and we need to choose our ingredients very carefully. **hanit®** is about quality and consistency – our reputation depends on it. To maintain these high standards we only buy from suppliers we can trust. We never compromise on quality.

To make things even more complicated, not all of our products are the same. They all have their own requirements and properties; so ingredients differ too. Our buyers have in-depth knowledge of which used plastic is needed for each of our products.

No matter what material we use or which product we're making, whether recycling or manufacturing, we keep emissions low. Our commitment to the environment will never change.

That's one of the reasons why we're the first company ever to be awarded the 'Green Angel' recycling award.



Products made of **hanit®** are very environmentally friendly. Our products do not damage or contaminate the environment

# HAHN produces **74,000 tonnes** of recycled plastic products every year

Compared to making products out of new plastic, HAHN saves:

- » 444,000 tonnes of CO<sub>2</sub>
- » 1.7 million m<sup>3</sup> of plastic from landfill
- » 230.4 million litres of oil
- » 1,539 million megajoules of electricity



**13m**  
tonnes

13 million metric tonnes of plastic is dumped in the world's oceans each year.



**6**  
tonnes

It takes approximately 6 metric tonnes of CO<sub>2</sub> to produce 1 kg (2.2 lb) of new plastic.



**3,114**  
litres

A single tonne of recycled plastic saves approximately 3,114 litres (823 gallons) of oil.



**X6**

Recycling creates six times more jobs than landfill.

Only 12% of the energy required to convert petroleum into plastic is needed

**12%**





**THE CLEVER  
ALTERNATIVE**

**TO WOOD, STEEL  
& CONCRETE**

**100%  
RECYCLED  
PLASTIC**

**EASY  
TO WORK  
WITH**

**ROT-  
FREE**

**WEATHER  
RESISTANT**

**SPLINTER-  
FREE**

**NO NEED  
TO STAIN,  
SEAL OR  
PAINT**



## Introducing **hanit**®

HAHN has been recycling plastic since 1993. We've put all our expertise into developing **hanit**®, our 100% recycled plastic material that out-performs wood, steel, concrete and even new plastic. It's lighter yet more robust and durable and offers an excellent price/performance ratio.

We can also formulate the recycled polyolefins that make **hanit**® to suit specific industries or meet certain criteria. HAHN fencing is made from specially formulated **hanit**® – that means 100% recycled plastic, rot-free and no painting or staining. Ever.

For the toughest jobs in the most demanding environments, there's **hanit**® Ultra. Extremely strong, durable and often mistaken for wood, **hanit**® Ultra is available in all the most commonly-used sizes and very well suited to structures like fences or walkways.

**hanit**® is made exclusively by HAHN in Germany, the UK and Canada. All raw materials, mixtures and products are processed or made on-site in more than 200,000 m<sup>2</sup> (656,168 ft<sup>2</sup>) of HAHN manufacturing space.



### DURABILITY

- » Weather resistant
- » Rot resistant
- » Splinter-free and low risk of injury
- » Moisture repellent
- » Doesn't absorb water
- » Frost and UV-resistant
- » Year round use



### LIGHT-WEIGHT

- » Easy to install without heavy equipment
- » Excellent load capacity
- » Lower transport & shipping costs
- » Quick and efficient installation
- » Reduced workload



### ECONOMICAL

- » Long service life (20-year warranty)
- » Resistant to oils, acids, alkalis and salt water
- » Low maintenance and service costs
- » Specially formulated from high quality recycled plastics (polyolefins)
- » Excellent price/quality performance
- » An excellent construction material, ideal for profiles and finished products



### ECO-FRIENDLY

- » 100% recycled and recyclable
- » Produced without preservatives
- » Reduces the strain on landfill, is sustainable and environmentally friendly
- » Awarded European "Blue Angel" eco-label
- » Non-polluting
- » Non-toxic (DIN 71)



### SIMPLE PROCESSING

- » Easy to work with
- » Can drill, saw, screw & nail
- » Simple modifications can be made on site
- » No staining or sealing required
- » No maintenance required

# Why choose hanit®?

Although **hanit®** may be more expensive to buy than lumber, lumber costs up to twice as much over the lifetime of a fence. Why? Because lumber needs to be treated every seven years and replaced every 10–15 years. **hanit®** needs no treatment, requires little maintenance, lasts for more than 35 years and even comes with a 20-year warranty.

## COST OF hanit® vs. LUMBER

Including treatment and replacement costs, wood works out to be more expensive than **hanit®** after just 12 years. After 28 years, a **hanit®** fence is half the cost of traditional lumber.



HOUSING • PARKS • INNER FENCES • GENERAL PURPOSE

# POST & RAIL

There's no such thing as a standard field, paddock, garden or park. **hanit® Ultra Post & Rail Fencing** puts the fence builder in control with almost infinite flexibility. It's great for informal boundaries and complies with international standards. Best of all? It never needs painting, treating or sealing.

- » Standard and custom heights
- » Options for 2, 3, 4 or even 5 rails
- » Compliant with BS EN 1722
- » 100% recycled plastic and rot-free
- » Long lasting and very low maintenance
- » Weatherproof and water resistant
- » 20-year warranty



**BRACKETS**  
Specially designed HAHN brackets allow for expansion (see page 16).

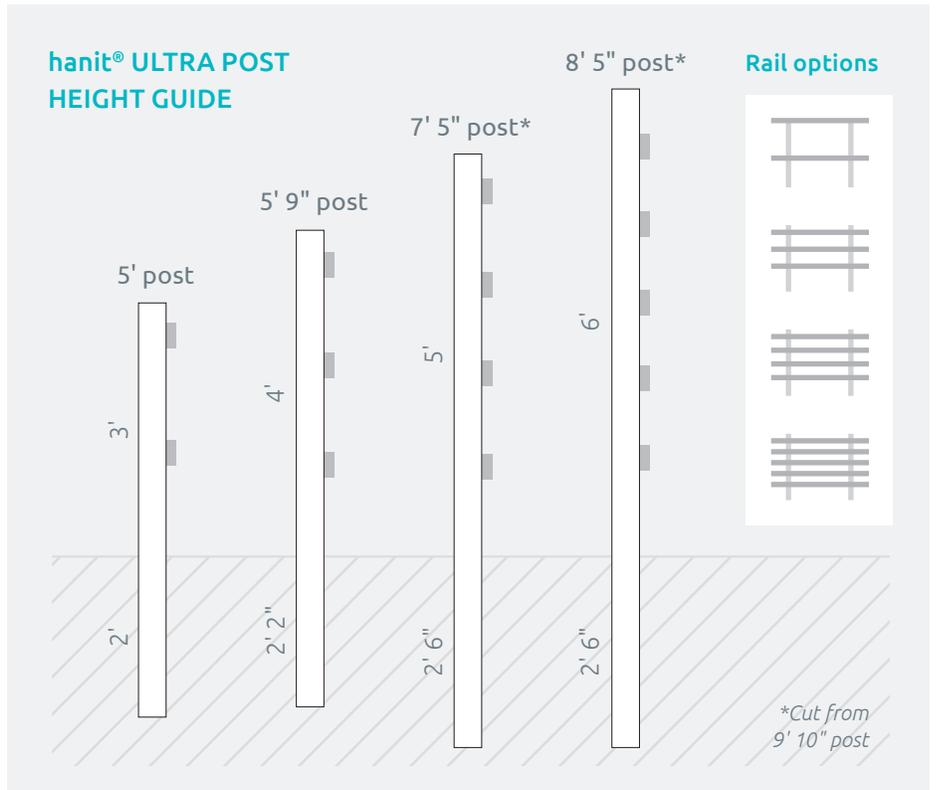


100 m of 5 rail fencing saves  
**11.8 tonnes** of CO<sub>2</sub>

Code	Description	Section (in)	Length (ft)	Color	Weight (lb)
INT 060 MBR/BLK	hanit® Ultra fence rail	1 3/8" x 4"	11' 10"	■ ■	26.2
INT 917 MBR/BLK	hanit® Ultra post	4" x 4"	4' 11"	■ ■	31.5
INT 918 MBR/BLK	hanit® Ultra post	4" x 4"	5' 9"	■ ■	36.6
INT 036 MBR/BLK	hanit® Ultra post	4" x 4"	10'	■ ■	62.8
INT 955	Fencing bracket	5 1/2" x 1 3/8"	3 1/8"		0.2



**TOUGH,  
VERSATILE &  
ROT-FREE**



HOUSING • PRIVATE DEVELOPMENTS • INNER FENCES  
GENERAL PURPOSE

# PICKET FENCE

The classic multi-purpose fence that is also waterproof, weather resistant and made of **hanit® Ultra**. Put away the paint brushes, our **Picket Fence** system is virtually maintenance free. It's perfect for yards, parks, railways, public buildings and commercial sites. International standards compliant and rot-free. Unlike wood, a **hanit®** fence will never absorb water and needs no ground clearance.

- » 100% recycled plastic
- » Rot-free and vandal-resistant
- » Standard and bespoke heights
- » Can be used with concrete posts
- » 20-year warranty



100 m of typical fencing diverts  
**3.5m** bottle tops  
from landfill



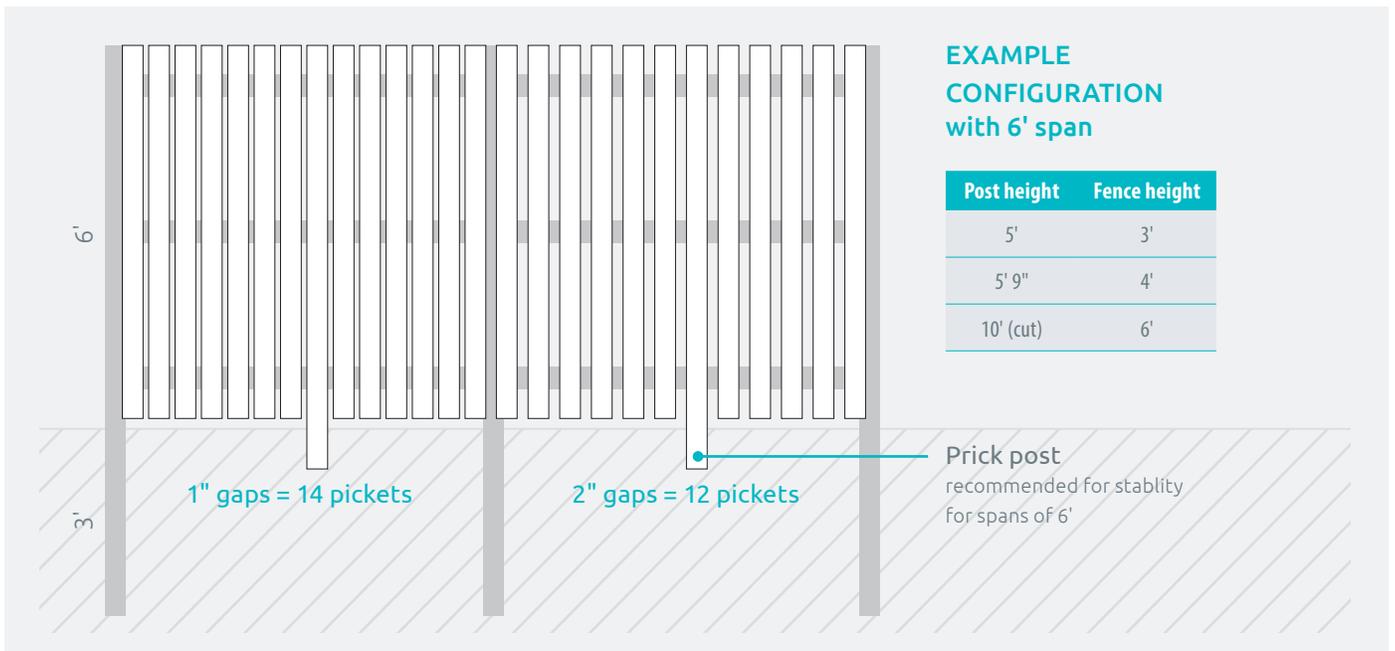
## SHADOWBOX FENCING

For the 'hit and miss' look, enhancing privacy yet letting wind blow through, place pickets alternately on both sides of the rail.

Code	Description	Section (in)	Length (ft)	Color	Weight (lb)
INT 060 MBR/BLK	hanit® Ultra fence rail	1 3/8" x 4"	11' 10"	■ ■	26.2
INT 917 MBR/BLK	hanit® Ultra post	4" x 4"	5'	■ ■	31.5
INT 918 MBR/BLK	hanit® Ultra post	4" x 4"	5' 9"	■ ■	36.6
INT 036 MBR/BLK	hanit® Ultra post	4" x 4"	10'	■ ■	62.8
INT 026 MBR/BLK	hanit® Ultra prick post	1" x 4"	10'	■ ■	15.6
INT 049 MBR/BLK	hanit® Ultra pale board	1" x 4"	3'	■ ■	4.6
INT 045 MBR/BLK	hanit® Ultra pale board	1" x 4"	4'	■ ■	6.4
INT 044 MBR/BLK	hanit® Ultra pale board	1" x 4"	6'	■ ■	9.5



**AN ALL  
TIME,  
ALL WEATHER  
CLASSIC**



PEDESTRIAN SEPARATION • WALKWAYS • PARKING LOTS

# BARRIER/KNEE RAIL

Wandering pedestrians and parking cars sometimes need a little guidance. That's why **Barrier/Knee Rail** fencing works so well. When it's made of **hanit® Ultra**, it's rot-free and comes with a 20-year warranty.

- » 100% recycled plastic
- » No more painting, treating or staining
- » Weatherproof and water-resistant
- » Water resistant
- » Tough and durable
- » Available in three weights/sizes



100 m of Heavy Knee Rail saves

**11.6** tonnes of CO<sub>2</sub>



Code	Description	Section (in)	Length (ft)	Color	Weight (lb)
INT 038 MBR/BLK	hanit® Ultra rail	3 1/8" x 3 1/8"	9' 10"	■ ■	40.8
INT 036 MBR/BLK	hanit® Ultra rail	4" x 4"	9' 10"	■ ■	62.8
INT 925 MBR/BLK	hanit® Ultra V support post	4" x 4"	4' 1"	■ ■	26.4
INT 042 MBR/BLK	hanit® Ultra V support post	4" x 5 1/2"	5'	■	31.3
INT 950S	Galv. standard strap	4" x 4"	7 7/8"	■	7.7
INT 950C	Galv. classic strap	4" x 4"	7 7/8"	■	7.7
INT 950H	Galv. heavy strap	4" x 4"	7 7/8"	■	7.7

## Ready for anything

There are three barrier weights to choose from, all with posts positioned at 5' centers. The heights below can be tweaked by cutting or digging:

**Standard:** For light use and protecting areas from pedestrians, e.g. planted border

- » 4" x 4" x 4' 1" post with recess for 3 1/8" x 3 1/8" x 9' 10" rail

**Classic:** For parking lots and grassed areas needing pedestrian guidance.

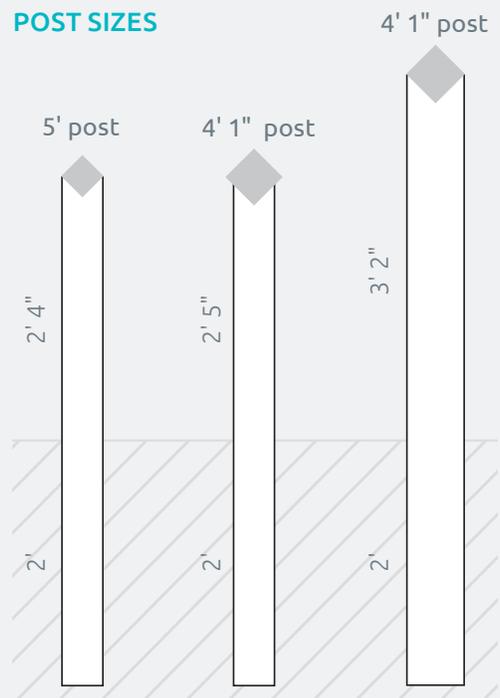
- » 4" x 4" x 4' 1" post with recess for 4" x 4" x 9' 10" rail

**Heavy:** For parking lots, parks and routes with constant or daily use.

- » 4" x 5 1/2" x 5' post with recess for 4" x 4" x 9' 10" rail

**NO  
SPLINTERS &  
ROT-FREE**

### POST SIZES



Standard



Classic



Heavy

HOUSING • PRIVACY • INDUSTRIAL • INNER FENCES  
GENERAL PURPOSE

# PRIVACY FENCE

We all deserve a little privacy. That's why HAHN developed a complete **Privacy Fence**. Designed in the classic closeboard fence style, it comes with specially designed, pre-grooved, steel-reinforced posts. Just set them in concrete, install the center support, drop in the horizontal tongue and groove boards and finish with the included post cap. No need for painting, treating or maintenance. Ever.

It's the stylish, rot-free privacy fence that will last and last. With its acoustic properties, it's also great for noisy neighbours, no matter which side of the fence they're on.

- » 100% recycled plastic
- » Dedicated posts for corners and ends
- » Post caps included
- » Smart, wood-like appearance
- » Strong, durable and weatherproof
- » 20-year warranty

**NOISE POLLUTION**  
HAHN Privacy Fencing  
can reduce noise by  
up to **25%**.



100m of fencing diverts  
**5m** bottle tops  
from landfill

Code	Description	Width (ft)	Length (ft)	Depth (in)	Color	Weight (lb)
NG/NB/NM 3813 190	Tongue & groove board	1½"	6' 3"	5⅞"	■ ■ ■	19.2
SPA 1612 250	Reinforced field post	4¾"	8' 2"	6¼"	■	93.7
SPB 1612 250	Reinforced corner post	4¾"	8' 2"	6¼"	■	92.6
SPC 1612 250	Reinforced end post	4¾"	8' 2"	6¼"	■	105.8
MB 100 050	Centre support	4" diameter	20"	-	■	8.1

**i** 15 boards create a 6' 5" high fence.





**STYLISH,  
PRIVATE &  
PEACEFUL**



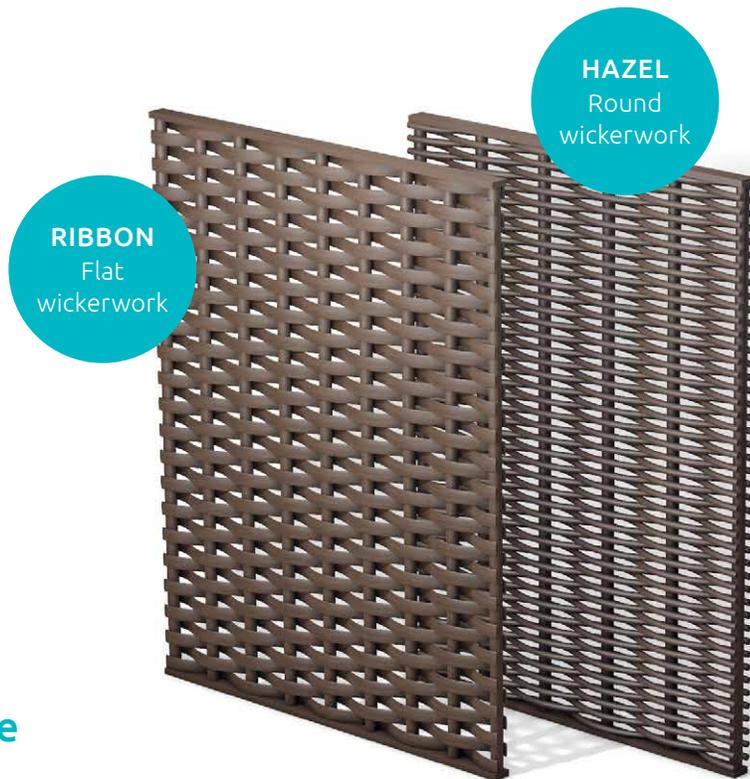
# WOVEN PRIVACY SCREEN

**Woven Privacy Screens** offer stylish and discreet protection from prying eyes. They also minimize gust or gale damage by allowing air to pass through.

Our screens conceal untidy areas like trash cans or compost heaps. **hanit®**

**Woven Privacy Screens** come with round or flat ribbons – both with an attractive wood-like finish that won't rot, split or splinter and will never need painting or treating.

- » 100% recycled plastic
- » Strong, lightweight and long-lasting
- » No more painting, treating or staining
- » Water resistant
- » 20-year warranty



100m of fencing saves  
**2m** bottle tops

Code	Description	Width (ft)	Height (ft)	Depth (in)	Color	Weight (lb)
SSH 150 180	Hazel (round) privacy screen	5'	6'	3½"	■	70.5
SSR 150 180	Ribbon (flat) privacy screen	5'	6'	3½"	■	66.1
AB 090 190F	Reinforced post	3½"	6' 3"	3½"	■	35.7
AB 090 240F	Reinforced post	3½"	7' 11"	3½"	■	45.4
VB 040 045	Center support	1⅝"	18"	1⅝"	■	1.5



# INSTALLATION OVERVIEW

## Post & Rail

### » FENCE HEIGHT & STYLE

Choose the height of your fence and how many bars/rails it will have. Typically, a 3'–5' high fence is used for yards, housing and parks. A 6' high fence is commonly used for yard boundaries, parks, railways and commercial buildings.

We recommend: a 4" gap between the top of the post and the first rail; 10"–20" between rails and 10"–16" between the bottom rail and ground. The number of bars/rails and spacing is down to personal choice and intended use.

### » INSTALLING POSTS

As a general rule, 1/3 of a fence post should be concreted into the ground with 2/3 above ground (min. 20"). For example, a 5' 5" high fence will need 8' posts. If the perfect post size isn't available, buy the next post size up and bury a little deeper. Posts over 5' high should always be concreted in – unlike wood, **hanit**® is 100% waterproof and rot-free.

The standard HAHN **Post & Rail Fence** uses a 11' 10" rail with a 6' gap between post centers. Other rail spans are possible but rails will need to be cut to size. Concrete the posts in vertically to a suitable line and level. Allow concrete to set for 24 hours before installing rails.

### » INSTALLING RAILS

HAHN **Post & Rail Fencing** uses long rails that span the width of three posts. Begin by marking the spacing of the

rails on the first post and use a string line between posts for consistent line and level. Center the brackets on the post and attach with ¼" x 1½" weatherproof screws.

Using two people, insert the end of the rail into the bracket of the first post while the other person holds the rail in position on the second post. Nudge the rail to the correct expansion gap in the first bracket (see above).

Following line and level, center and attach a bracket to the second post with the rail running through it. Put two screws at either end of the bracket slots and secure the rail, this allows the rail to expand and contract freely.

Place the bracket in position on the third post, mark the rail to the correct expansion gap size and cut to length.

Attach the third bracket, lining up the rail with the expansion gap. **IMPORTANT: only fix the rail securely to the bracket on the second/middle post. On multi-rail fences, stagger these fixed points for increased strength and stability.**

### » CORNERS & JUNCTIONS

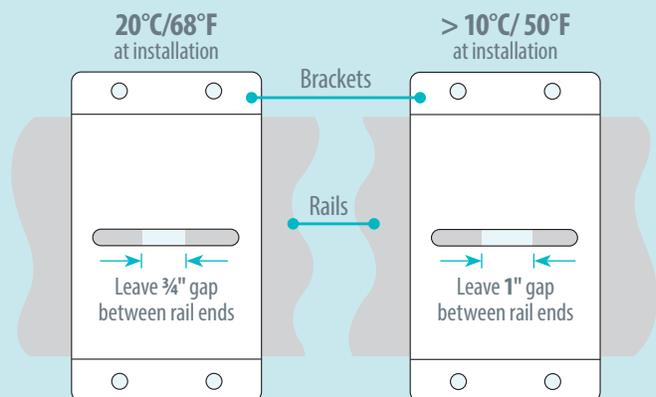
External 90-degree corners can be made by allowing the brackets to secure the rails in place.

Internal and external junctions can be made by installing a second post next to the first and attaching brackets to support the incoming rails. Be careful to keep line and level of rails consistent.

### Expansion gaps

Like many materials, **hanit**® expands and contracts with temperature fluctuations. Always use the supplied slotted brackets as they are designed for **hanit**® rails. The slots allow accurate positioning dependent on the installation temperature.

N.B. This allows for 158°F of thermal movement.



# Picket Fence (Post & Pale)

## » FENCE HEIGHT & STYLE

Choose the height of your fence. Typically, a 3'–5' high fence is used for yards, housing and parks. A 6' high fence is generally used for yard boundaries, parks, railways and commercial buildings.

Pickets (fence boards) are vertical slats attached to horizontal rails with a ¾"–2" gap between each board to reduce wind resistance. The top of the pickets is usually level with the fence posts. For additional privacy, a second row of pickets can be installed to the back of the rails to create a 'hit and miss' effect – an effective screen that still allows wind to blow through the gaps.

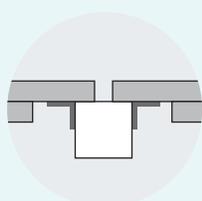
Because **hanit**® boards will never rot, they do not need to be raised off the ground like wood pickets. If a little ground clearance is preferred for aesthetic reasons, use concrete posts (instead of **hanit**®) for 6' fences and insert a 'prick post' picket in the center (all the way to the ground) to prevent sagging.

## » INSTALLING RAILS & PICKETS

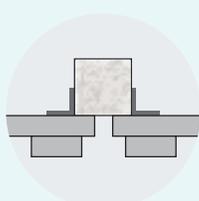
Install the top rail with countersunk screws 5½" from the top of the post and the bottom rail 5½" from the ground. Fences taller than 4' need a third rail between top and bottom.

Attach the rails to the posts using slotted angle brackets that allow 4" of movement at each end of the rail. This creates an 8" expansion gap at each end of the rail.

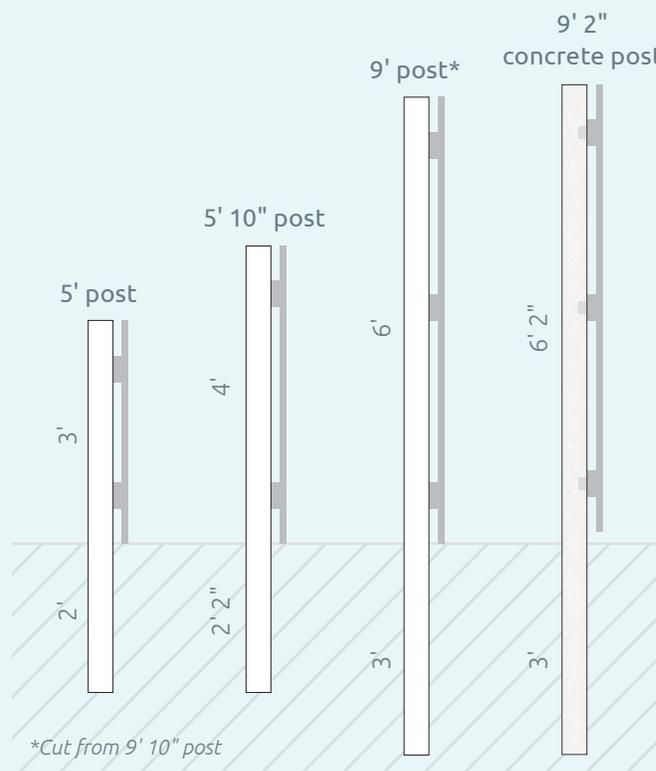
If using **hanit**® posts, attach the rails to the inside of the post. We suggest leaving the full post visible from the front and mount the fence boards in-between. If using concrete posts, for a more consistent **hanit**® look, attach the rails to the outside of the post so that fence boards cover or obscure the view of the concrete.



hanit® post



Concrete post



## » GAPS & PICKETS

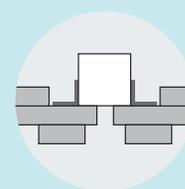
The table below is a guide to the number fence boards needed according to gap between fence boards and the spacing between posts. **TIP: create consistent gaps by using an offcut as a spacer.**

As **hanit**® pickets are completely rot-free, they can rest on the ground, no matter how damp or wet it may be. If fence boards are not resting on the ground, use a central prick post to support the rail. Attach pickets with two screws per joint.

Post	6' spacing	5' spacing
<b>hanit</b> ® (inside rails)	14 boards with 1" gaps	12 boards with 1" gaps
	12 boards with 2" gaps	10 boards with 2" gaps
<b>Concrete</b> (outside rails)	15 boards with ¾" gaps	n/a
	12 boards with 1¾" gaps	n/a

## Hit & Miss Fencing

For added privacy, attach a second row of pickets on the inside of the rail – positioning the inside pickets between the gaps of the outside pickets.



# Barrier/Knee Rail

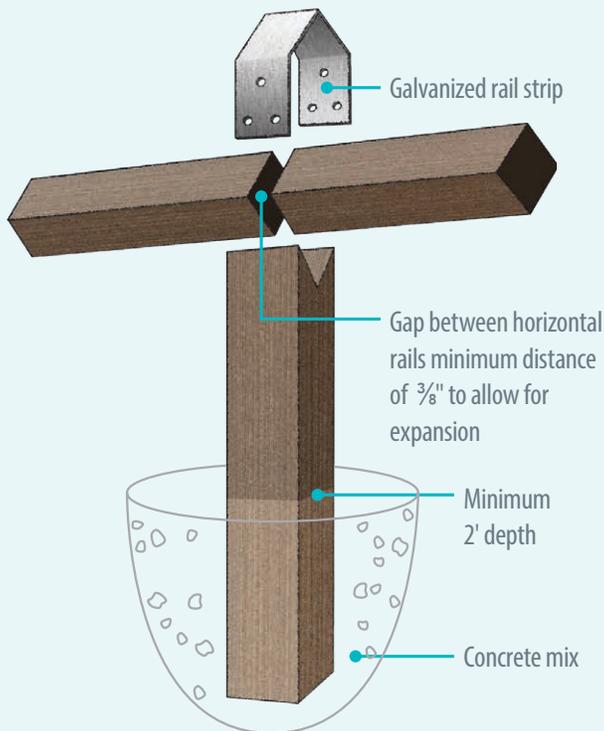
## » FENCE HEIGHT & STYLE

HAHN **Barrier Fencing** (aka knee rails or birdsmouth fencing) comes in three different sizes:

- » **Standard** is for simple, pedestrian-only areas.
- » **Classic** is for similar use but in areas like parking lots.
- » **Heavy** is for use when vehicle bumps and parking knocks are expected.

## » INSTALLING POSTS

Create a string line to maintain the line and level of posts. Position the posts at 5' centers so that the 10' rail spans three posts. Concrete the posts in to a depth of 2'. Allow the concrete to set for at least 24 hours before installing the rails.

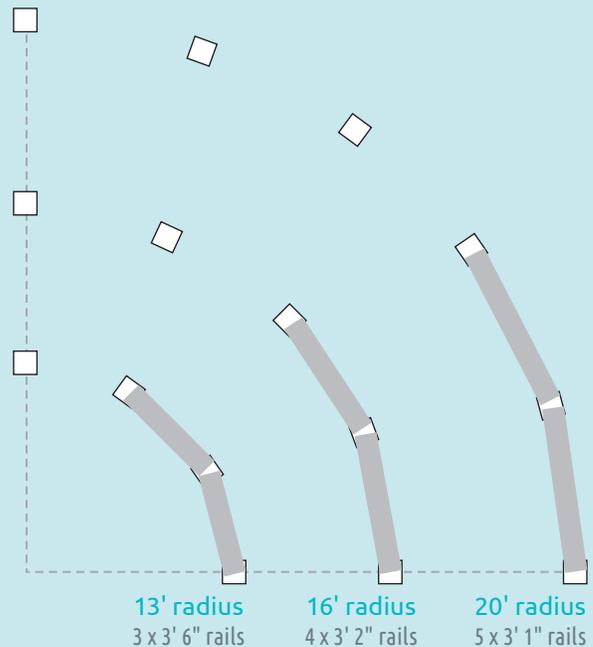


## » INSTALLING RAILS

**Barrier Fence** posts come with a pre-cut 'V' notch (birds-mouth) that fits the 3 1/8" and 4" square rail. Place the rail into the notches and trim the rail ends to leave a 3/4" expansion gap between rails. Position the galvanized steel strap over the top of the post (completely covering the rail join/expansion gap) and attach with screws. Make sure that screws only go into the post and not the rail. As the rail spans three posts, use a locating screw through the steel strap of the middle post to secure the rail.

### Installing a radius

A radius can be created with all three HAHN **Barrier Fence** types. Reduce the 5' spacing between posts to around 3' 2" and cut the rail ends with a mitre. Adjust the V notch and steel strap to suit the chosen angle. See examples for corner radii of 13', 16' and 20'.



# Privacy Fence

## » FENCE HEIGHT & STYLE

The maximum height for HAHN **Privacy Fencing** is 6' 5". This slots 15 horizontal boards between two specially recessed steel reinforced posts. There are end, corner and intermediate post types so please consider these carefully when planning and ordering. For help and advice, contact our team.

Other heights can be created by changing the number of horizontal boards, trimming the posts to size and affixing the post caps. NB. The steel reinforced posts can be cut to size with a hacksaw.

No. of boards	Height (cm/ft <sup>2</sup> )
7	91 / 3'
10	130 / 4' 4"
12	156 / 5' 1"
14	182 / 6'
15	195 / 6' 5"

## » INSTALLING POSTS

Familiarize yourself with the post types for ends, corners and intermediate. Be sure to select the correct type for each post position before installing.



Position the posts vertically with a 6' 6¾" gap from center to center. If building a 6' 5" high fence, concrete the post in to a height of 6' 6". Use a string line between posts to maintain line and level and allow 24 hours for concrete to set.

For added strength, central support posts are strongly recommended and can be hammered into the ground between the main posts. Ensure the groove in the central post aligns with the groove of the panels and is level with the surrounding foundation.



## » INSTALLING BOARDS

Each 6' 5" high fence panel uses 15 of the 5½" x 6' 3" boards. Insert the first board between two posts with the tongue facing up. Tap it down to the central support post then level and align. Use two ¼" x 2¾" Torx screws each side to fix the bottom board in place. Pre-drill ¼" holes and make sure the screws go through the post and into the board.



Add further boards and tap down to seat the tongue into the groove. Secure the eighth board (about half height) to each post with the supplied ¼" x 2¾" Torx screws. Add the remaining seven boards and secure the top board to the posts with screws just like the bottom and eighth boards.

### The finishing touch

Clip the supplied caps on the top of the posts and secure using the supplied ¾/16" x 1" Torx screws.

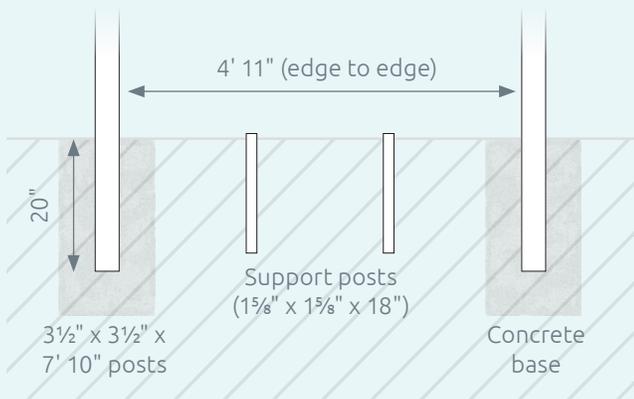


**SEMI-  
PRIVACY  
FENCE  
COMING  
SOON!**

# Woven Privacy Screen

Position the reinforced posts (3½" x 3½" x 7' 10") with a spacing of 4' 11" edge to edge. Concrete them in to a depth of at least 20", leaving 6' 3" above ground. This gives enough height to cover the 6' fence panels.

Each screen is supplied with two ground-level support posts (1½" x 1½" x 18"). Set these into the ground (in line with the main posts) at 20" centers. Drive or concrete them in to the level of the bottom rail of the panel.



Allow 24 hours for the concrete to set then position the privacy screen between the posts. Align the sides of the screen with the vertical center of the post.

Use three fixings per screen edge (near top, middle and near bottom), attach to the post with ¼" x 3⅝" screws through pre-drilled ⅜" dia countersunk holes in the screen at a slight angle to miss the post reinforcement. Using the pre-drilled holes on a lined up screen will prevent screws damaging the post's reinforced core.



When the panels are in place, attach the bottom rail of the panel to the ground-level support posts using a ⅜" pre-drilled and countersunk hole and a ¼" x 2" screw. Repeat with each panel.

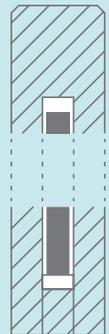
## TECHNICAL DATA OF POST REINFORCEMENT

Steel tubing: **S235**

Diameter: approx. 1 11/16"

Wall thickness: approx. 3/8"

To accommodate the different expansion rates of steel and recycled plastic, our reinforced profiles have an expansion chamber that is closed with a plug.



## hanit® ULTRA v WOOD & OTHER PLASTICS

Properties	hanit® Ultra	Wood	Polyethylene	Polystyrene	Wood Plastic Composite (WPC)	PVC/Vinyl
Lifetime (years)	30–50	5–10	30–50	30–50	10–25	30
Form	Solid	Solid	Solid/hollow	Foamed	Solid/hollow	Hollow/foamed
Strength (MPa)	30	18–30	16	30	34	39
Workable	✓	✓	✓	✓	Varies	✗
Recycled	✓	✗	✓	Very difficult	Varies	✓
Maintenance free	✓	✗	✓	✓	✓	✓
Impact resistance	Good	Good	Good	Brittle	Usually brittle	Hollow, section makes it weak
Cleaning	Easy	Absorbs chemicals & moisture	Easy	Poor resistance to solvents	Depends on matrix 3% absorption	Limited
Recyclability	✓	✗	✓	Very difficult	Difficult	Difficult

# FAQs

## » Does recycled plastic warp in the sun?

It can, but only if badly installed, HAHN offers lots of design and installation tips to help with this.

## » Does recycled plastic get too hot to touch?

Recycled plastic gets slightly warmer than wood but not as hot as concrete, sand or steel.

## » Is recycled plastic fireproof?

Recycled plastic has a similar ignition point to wood.

## » Which colors are available?

Brown is most popular as it looks like wood, but black, gray and other colors are also available.

## » Which size screws do I need for my fence?

Your local hardware store should be able to advise suitable screws. We always recommend using counter-sunk stainless steel screws and pre-drilling the holes.

## » Do fence posts need to be closer together?

No, as long as our installation advice is followed. **hanit**® rails can also be reinforced to span up to 8' 2".

## » Is mold or algae a problem for recycled plastic?

**hanit**® is non-absorbent and therefore resistant to mold or algae and any staining is easily washed off.

## » Can I paint or stain my fence?

**hanit**® is self-colored and never needs painting or staining. However, painting is possible if you prepare the surface and use plastic-based paint.

## » Where can I find my nearest supplier?

We manufacture for a global network of suppliers. Contact us for your nearest supplier.

## » Where can I see HAHN products?

Our website is the best place to start. There are lots of product images and you can download technical information. You can also request brochures and order samples.

## » How can I get your catalog?

Our catalog can be downloaded from [hahnplastics.ca](http://hahnplastics.ca). For a hard copy, contact us at (519) 218 - 8800 or [info@hahnplastics.ca](mailto:info@hahnplastics.ca)

## » Does HAHN offer installation services?

No, but we can give advice on how to use and install our products. We also manufacture for a global network of suppliers and many have local trade contacts who can help. Contact us for your local supplier. As a rule, if you can work with wood, you can work with **hanit**®. A good tradesperson will have no problem installing our systems.

## » How much will my fencing installation be?

HAHN and our resellers do work with a number of tradesmen and contractors and we are members of several trade associations so if you can't find a suitable installer call us and we will try and help.

## » Is there a variation in color?

Similar to wood, there is slight color variation. This enhances the stained wood appearance of our fencing systems.

## » Can I buy direct from your website?

No, but you can submit a wish list at [hahnplastics.ca](http://hahnplastics.ca). We will reply with all the information you need to make a purchase.

## » How long will my fence last?

**hanit**® fence components come with a 20-year warranty but the lifetime of the product is much longer. We would expect a **hanit**® fence to last more than 35 years – no painting or treating required!

## Working with **hanit**®

Working with our products is very similar to working with wood or metal. They can be cut, sawn, drilled, routed and planed with standard tools and machinery, but for best results, here are a few tips:

- » Use carbide-tipped tools
- » Always pre-drill screw/bolt holes to allow for the greater density of **hanit**®
- » Use a mallet when hammering and be careful not to damage corners
- » Store posts and profiles away from direct sunlight

We're always happy to help and have lots of guidance for installation and assembly of our products. For more information visit

[www.hahnplastics.ca](http://www.hahnplastics.ca)



### SAWING & CUTTING

Use high-speed band saws and circular saws with slightly crossed teeth, preferably carbide-tipped. Quickly remove shavings and chips to avoid clogging.



### ROUTING

Use a large span cross-section to keep machining heat relatively low. Use a high depth of cut and feed rate but a low cutting speed. Use carbide inserts for longer tool life.



### PAINTING

Unlike painted wood or metal, the color will never flake or peel. However, our products can be painted using all-weather plastic paints on a roughened and primed surface. We can't guarantee permanent paint adhesion.



### DRILLING

Standard spiral bits can be used. Remove waste material and pause occasionally to allow the bit and plastic to cool.



### PLANING

Standard planes can be used. The finish depends on the condition of the blade, feed rate, cutting speed, clearance and cutting angle.



### DEBURRING

Angle grinders can be used for deburring. However, angle grinders are not suitable for cutting recycled plastic.



### EXPANSION

HAHN products expand and contract by around +/- 1.5% with temperature variations. Use elongated slots for bolts or fastenings and follow individual product advice and expansion gap recommendations.



### FLEXIBILITY

Recycled plastic is more flexible than wood or metal. This influences some planning and design decisions (e.g. maximum distance between fence posts), but all our products come with easy to follow recommendations.



### PRODUCT STRUCTURE

HAHN products have a closed, non-porous surface and a honeycomb core. If one of our products is machined or cut in half, for example, the honeycomb core may become visible.

# HAHN

PLASTICS

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