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hanit® for  
**KIDS AND TEENS**

RECYCLED PLASTIC PRODUCTS MADE IN GERMANY, UK & CANADA



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PALISADES



BENCHES



SANDBOXES

# ALL YEAR ROUND OUTDOOR ADVENTURERS



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hanit® RECYCLED PLASTIC MADE IN GERMANY, UK & CANADA

When children and toddlers play, they use all their senses. Little ones put things in their mouths, older children look for maximum excitement and teenagers push things to the limit. That's why materials used for outdoor equipment and playgrounds need to meet the highest specifications.

Every material has its weakness. Wood soon rots when exposed to the elements – unless you spend time and money on maintenance. Splinters can cause nasty injuries too. Concrete is much too hard for sandboxes and mud tables. Steel is expensive and prone to rust. Virgin plastics are damaging to the environment.

And then there is hanit®.

All our products are made of hanit®. They'll never rust or splinter. They're non-toxic and free of harmful chemicals or additives. They're weather-resistant, strong and will never need painting or treating. They're made from 100% recycled plastic. It fulfils the content check of the playground regulation (DIN EN 71-3). Put simply, they're perfect for kids. Create environments for the young whilst protecting the environment!

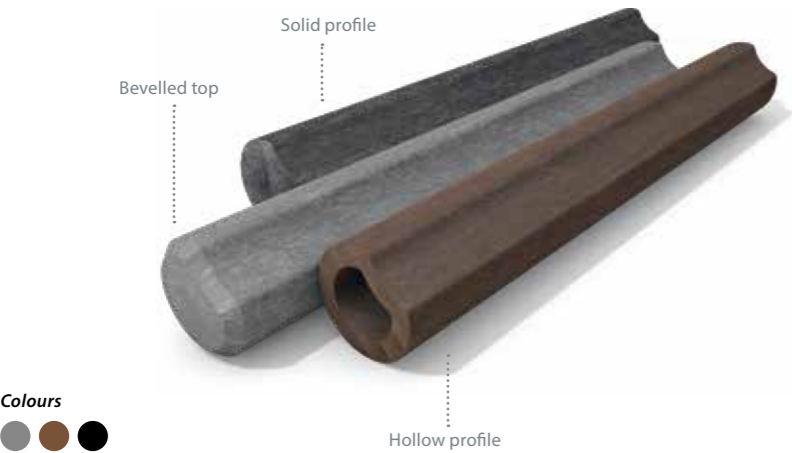
 DURABILITY	<ul style="list-style-type: none"><li>» Weather-resistant</li><li>» Rot-resistant</li><li>» Can be used all year round</li></ul>	<ul style="list-style-type: none"><li>» Splinter-free, therefore low risk of injury</li><li>» Moisture-repellent, does not absorb water and dries quickly</li></ul>
 LIGHT WEIGHT	<ul style="list-style-type: none"><li>» Installation does not require heavy equipment</li><li>» Higher load capacity</li></ul>	<ul style="list-style-type: none"><li>» Transport cost savings</li><li>» Faster installation</li><li>» Reduced workload</li></ul>
 ECONOMICAL	<ul style="list-style-type: none"><li>» Long service life</li><li>» Resistant to oils, brines, acids, and salt water</li><li>» Low maintenance and service costs</li></ul>	<ul style="list-style-type: none"><li>» Made of high-quality processed secondary plastics (polyolefins)</li><li>» Excellent price-quality ratio</li><li>» Perfect construction material, especially for robust profiles and finished parts</li></ul>
 ECO-FRIENDLY	<ul style="list-style-type: none"><li>» Pollutant-free, according to DIN EN 71-3 (European standard for the safety of toys)</li><li>» Produced without preservatives</li><li>» Reduces the strain on landfill, is sustainable and environmentally friendly</li></ul>	<ul style="list-style-type: none"><li>» Recyclable in the material cycle</li><li>» Awarded the "BLUE ANGEL" eco-label</li><li>» Non-polluting</li></ul>
 SIMPLE PROCESSING	<ul style="list-style-type: none"><li>» Easy to process mechanically (drilling, sawing, screwing, nailing)</li><li>» Simple modifications can be made on site</li></ul>	<ul style="list-style-type: none"><li>» Never stain or seal again</li><li>» No maintenance required</li></ul>

# Ogee PALISADE

## Versatile and Decorative

hanit® ogee palisades are designed for edging. Playing fields, sandboxes, paths, flowerbeds or ponds, they can survive all kinds of weather and do not rot or splinter. They're made without any hazardous chemicals, are non-toxic, non-polluting, maintenance-free, easy to handle and don't require any heavy equipment.

- » Lengths: depending on the diameter from 40 cm to 250 cm
- » Diameter: from 10 cm to 20 cm (colours depend on the lengths)
- » Available in solid or hollow profiles depending on the lengths
- » More durable than wood, lighter than concrete



Ogee palisades as sandbox edging

### ADVANTAGES

## HOLLOW PALISADE

Hollow palisades have three major advantages over solid:

- » Cheaper to buy
- » Cheaper to transport
- » Easier to work with and install

**i** Note: Not all versions are suitable for slope reinforcement. If in doubt, contact us for advice.





# RECTANGULAR PALISADE

A modern twist

Who says edging is boring? hanit® palisades bring definition to a tired garden or untidy park and they come in a variety of shapes and colors. They're lighter than concrete, making transport and installation cheaper and quicker, and will last much longer than a railway sleeper. They're also easier to work with and don't need any specialized equipment.

- » Lengths: depending on the version from 40 cm to 150 cm
- » Profile dimensions: 12 x 16 cm and 16 x 24 cm (colours depend on the version)



Colours



# ROUND PALISADE

Whether for climbing, swinging, sliding, gymnastics or just hide and seek, playgrounds and outdoor equipment should be purpose-built. hanit® round palisades are the basic building blocks for purpose-built any design. Whether light-weight and hollow or sturdy and solid, they're inexpensive, weather-resistant, durable and need no maintenance.

- » Lengths: depending on the version from 40 cm to 280 cm
- » Diameter: from 10 cm to 20 cm
- » Available in solid or hollow profiles (depending on the lengths)



Colours



Colours

## DECKING

Anti-slip surface

Our footpath planks and decking boards have earned their stripes in some really tough environments. Even existing decks, patios or boardwalks can be upgraded with hanit® to become maintenance-free, moisture-repellent and slip-resistant.

- » Lengths: 100 to 300 cm
- » Different profile dimensions
- » Stable and safe
- » Optionally with reinforcement

# DAHNA SANDBOX

## Take a seat

The modern style of the Dahna blends in with traditional landscapes, providing a play area for any scenery. This sandbox with seating wins you over not only through its natural shape, the simplified assembly as well as the colours will please children right away.

- » Size: 200 cm in the square
- » Height: 28 cm
- » 2 seat rests: 4 x 17 cm
- » Easy assembly (pre-assembled)



Colour



WHERE NEW  
MEETS THE  
OLD

# SAHARA SANDBOX

## Add a splash of colour

The Sahara sandbox is available in two sizes and four colour combinations. It's a great example of why hanit® has so many advantages over wood, concrete or steel: it doesn't rot or splinter; it's weather-resistant and UV-resistant; it needs little or no maintenance and it's perfect for playtime!

- » Sizes: 200 and 300 cm in the square
- » Height: 27 cm
- » Side profiles: 8 x 23 cm
- » Seat rest: 4 x 19 cm



Colours



# LUT SANDBOX

## A voyage of discovery

The Lut is our most distinctive sandbox. Its boat-shape design is sure to be the eye-catcher of the playground – guaranteed to have kids eager to jump in and set sail in the sand! The Lut is completely preassembled on delivery and available in four colour combinations.

- » Length x Width: 285 x 105 cm
- » Height: 30 cm
- » Four colour variations
- » Delivered completely assembled



Colours



# NAMIB SANDBOX

## Keep things simple

The Namib is the classic sandbox: square, a solid base and a wide sitting edge. There's lots of space for kids to play and let their imaginations run free. Parents and (kindergarten) teachers have no need to worry about splinters, rusty edges or even harmful chemicals – hanit® is completely non-toxic and free from hazardous preservatives.

- » Sizes: 200, 300, 400 and 500 cm in the square
- » Height: 31 cm
- » Side profiles: 9 x 9 cm
- » Seat rest: 4 x 19 cm



Colour



# MOJAVE SANDBOX

## Thinking outside of the box

The octagonal shape of the Mojave is what sets it apart. It gives exciting new opportunities for playground design and is available in three sizes. It is lower than most sandboxes so kids can easily run in, out, over and around. Make the Mojave the focal point of your new playground.

- » Diameter: 240, 300 and 400 cm
- » Height: 21 cm
- » Seat rest: 15.5 cm
- » Supplied as a kit



Colour



# GOBI SANDBOX

## Big fun, large or small

The Gobi is available in large or small. The small version is compact enough to fit very small gardens, decks or even balconies. The large one is designed for playgrounds. You choose the size, the Gobi takes care of the rest.

- » Sizes: 120 and 240 cm in the square
- » Height: 30 cm
- » Seat rest: 4 x 14 cm
- » Simple assembly



Colour



# THAR SANDBOX SYSTEM

## The adaptable solution

The Thar sandbox system is a highly adaptable assembly kit for creating safe and durable sandboxes. The parts are easy to understand and simple to build. And best of all, connections and fittings are kept out of harm's way: no screws or splinters causing injuries to inquisitive little hands.

- » Available in many sizes
- » Height: 16 cm
- » Seat rest: 24 cm
- » Easy to install
- » U-profiles reduce the material requirements



Colour



# KALAHARI SANDBOX

## Discover the possibilities

The hexagonal Kalahari sandbox is available in two sizes. The wide edge provides lots of sitting space and every young trailblazer can find a spot for digging and building.

- » Diameter: 175 cm and 240 cm
- » Height: 30 cm
- » Seat rest: 4 x 14 cm
- » Other dimensions available on request



Colour



# MUD TABLE

Splinter-free fun for years to come

Kids love playing with sand and water but when you mix this combination with wood, the fun doesn't last for long. Wood weathered quickly and splintered. hanit® mud tables are much more durable. They won't weather, splinter or rot. What's more, our tables are easy to assemble and have endless combinations.

- » Elements are also available individually
- » With matching pump platform (Pump not included)
- » Few individual parts
- » Does not contain any preservatives
- » Permanent playing fun



Colour



## SPIRAL HERB PLANTER

You can't start too early...

Kids love getting their hands dirty and watching things grow. Our spiral herb planter puts nature at a child-friendly height for planting and harvesting. It's easy to assemble, can be replanted every year and needs virtually no maintenance. And of course, like all hanit® products, it's weather-proof, non-toxic and very robust.

- » Clever design
- » Delivered as a kit
- » Weather-resistant
- » Maintenance-free



Colours



## TERRA RAISED BED

Look what sprouts here!

You don't need a garden to be a gardener. Terra raised beds are available in two heights (63 and 83 cm) so even small children can try them out. Our raised beds easy to put together, quick to set up and soon ready for planting. And of course, they're tough, solid, non-toxic and splinter-free.

- » Dimension (LxWxH): 190 x 90 x 63 cm
- » Child-friendly height
- » Consists of only six elements



Also available with 83 cm height



Colours





## PROJECTS TO INSPIRE

DARE TO CREATE

Posts, palisades, profiles, boards, beams and sheets – add a little imagination and these staple building products become spectacular playgrounds and play equipment. From barefoot paths to water play-grounds, hanit® has virtually limitless playground potential.



# PIPPOLINO CHILDREN'S BENCH

Not just what's on the face of it

It is of course possible to sit still on this bench – but which child does! It is much more fun to draw on the bench. “Pip-polino” even has a face to colour on (the chalk can easily be washed off). Whether little, or very little, this bench is suitable for all and can be adjusted to two different heights. .

- » Seat board: 138 x 19 x 4 cm  
Back board: 138 x 17 x 4 cm
- » Dimensions (WxDxH): 150 x 68 x 70 cm
- » Seat height: 25 or 34 cm
- » Safe thanks to rounded edges
- » The bench as a paintable toy



Colour

## FORIO CHILDREN'S SET

Tailor-made for kids

If you let kids draw a picnic bench, it will probably look like the Forio. It's the classic shape – just smaller! Incredibly sturdy and with a multitude of colours to choose from, the Forio provides a picnic bench for any type of landscape.

- » 1 table top: 150 x 60 x 8 cm
- » 2 bench boards: 150 x 19 x 4 cm
- » Seat height: 34 cm
- » Table height: 57 cm



Colours



## FORIO BACKREST

For added comfort



NEW PRODUCT

- » 1 back board: 150 x 19 x 4,0 cm
- » 2 galvanised arms/supports
- » Can be ordered in different colour combinations. For backrests on both sides of the picnic bench, please order two items.

Colours



## CALERO CHILDREN'S SET

Lively, trendy, colourful

Our Calero is the eye-catcher of every playground. With its simple, sleek design and rounded edges, it provides a safe and accommodating seating area. Easy to transport and store or leave outside all-year round. The Calero paints a perfect picture in every respect.

- » Installation surface (WxDxH): 150 x 135 x 57 cm
- » Seat height: 34 cm
- » Table height: 57 cm
- » Rounded corners to protect children



Colours



## CANETTI/TIVOLI CHILDREN'S SET

Child-friendly seating

The Canetti children's bench is specially designed for kids. With a seat height of 31 cm and wide supporting legs, it's extremely sturdy. There is no back rest so kids can sit and play in all directions. The lightweight of the set supports easy transport and generates added value.

- » Installation surface (WxDxH): 150 x 160 x 57 cm
- » Seat height: 34 cm
- » Table height: 57 cm



Colours



DON'T FORGET  
ABOUT THE



## COLLODI SKATER BENCH

For sitting, leaning or chilling

Designed with skaters, bladers and thrill seekers in mind, the Collodi bench provides a seating area for those that can't stay sat down. Tough and splinter-free, the Collodi is specially developed for skaters who want to take a break, lean back and dangle their legs.

- » Width: 200 cm
- » To be secured to the ground
- » Seat board: 200 x 27.5 x 6.5/5.5 cm
- » Seat height: 78 cm
- » Even skaters need a break occasionally



Colour



## TREMEZZO YOUTH BENCH

Somewhere to perch

Teens will sit anywhere, so we designed a bench just for that! The bench with a wide-topped back rest specially developed to be sat on. Cool comfort next to the football pitch, the basketball court or perhaps the local hangout.

- » Width: 200 cm
- » To be secured to the ground
- » Seat height: 45 cm / seat height on the back rest: 83 cm



Colours



# PICCADILLY BENCH

Tradition, re-designed

The stylish Piccadilly is the classic park bench. Available in lengths of 150 cm or 200 cm, the Piccadilly is at home in almost any setting. For a splash of colour, the neutral grey base can be combined with black, blue, green or red boards. Also available in all brown.

- » Widths: 200 cm and 150 cm
- » Seat height: 45 cm
- » Great colour choices (depending on the widths)

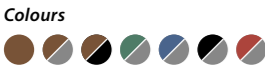


# TRAFALGAR SQUARE BENCH

A timeless classic

With the Trafalgar Square bench, we re-interpreted the classic park bench using modern materials. Available in two different lengths, this bench is perfect for playgrounds, schoolyards and green open spaces.

- » Widths: 200 cm and 150 cm
- » Seat height: 45 cm
- » Great colour choices (depending on the widths)



# SCORI LITTER BIN

The recycled waste collector

The "Scori" is the basic basket for a whole system of waste disposal. The round hanit® container can be placed in different racks, there is a matching galvanised wire basket and a clamping ring for the corresponding waste bags.

- » Capacity: ca. 55 litres
- » Diameter: 37 cm
- » Height: 50 cm
- » Versatile uses





# TIVOLI SET

Ideal for any circumstances

The Tivoli Set comes in four color combinations: green and gray, blue and gray, red and gray or all brown. Color options and clean, elegant design means the Tivoli Set looks good in any environment.

- » Installation surface (WxDxH): 200/150 x 205 x 80 cm
- » Widths: 200 cm and 150 cm
- » Seat height: 45 cm
- » Table height: 75 cm
- » Great colour choices (depending on the widths)



# CALERO SET

The modern set

Its cool shape and clean lines make the Calero bench and table set perfect for modern and urban surroundings, for example schools and private gardens. With five color combinations and cool design, the Calero Set can match any mood.

- » Installations surface (WxDxH): 150 x 180 x 75 cm
- » Seat height: 45 cm
- » Table height: 75 cm
- » Clean shape
- » Cubical hanit® style



# SERENGETI GROUP SEATING

The versatile picnic bench

The Serengeti picnic bench is all about the group dynamic. This sturdy bench/table combination fits perfect if kids and children come together.

- » Dimensions (WxDxH): 240/200/180 x 174 x 76 cm
- » Seat height: 46 cm
- » Table height: 76 cm
- » Great colour choices (depending on the widths)
- » Version available with wheelchair table extension



# STELVIO GROUP SEATING

The light-weight with tubular metal frame

The Stelvio bench-table set dares to be different. It swaps the traditional timber picnic bench structure in favour of an elegant, minimalist tubular metal frame. It's strong enough to seat up to 12 people yet stylish enough to suit outdoor spaces or modern architecture.

- » Dimensions (WxDxH): 252 x 250 x 75 cm
- » Seat height: 45 cm
- » Table height: 75 cm, table surface: 150 x 150 cm
- » Substructure made of zinc-coated steel





# FENCES

Safe and long-lasting

Children want to discover the world but it’s up to us, the grown-ups, to set safe boundaries. Fences, pales and posts made from hanit® are absolutely splinter-free, have no sharp edges and come with rounded tops. They’re safe enough, and tough enough, for even the most adventurous little pioneer.



- » Never paint again
- » No sharp edges, splinter-free
- » Maintenance-free
- » No hazardous preservatives
- » Easy to install
- » Ideal for kindergartens and schools

# PRIVACY FENCE

Versatile and multi-purpose

Reinforced hanit® posts provide the structural framework for our screen/privacy fence. The posts are pre-grooved to work as corners, end posts or between panels and they’re covered by a stylish cap. Tongue and groove boards slot easily between posts and the bottom board is held stable by a centre support. It’s an easy way to fence a wide variety of landscapes – all with the well known advantages of hanit®.

- » Panel length: 200 cm (axis measurement)
- » Panel height: 195 cm (15 x tongue and groove boards)
- » Perfect system with field, corner and end posts
- » Maintenance-free



# BENCH BOARDS, CLASSIC

For versatile solutions

Our classic bench boards are great for furnishing existing substructures, as refurbishment or new constructions. They can be used for seating in sports halls, open-air theatres or schoolyards. They can also create seating on plinths, u-shaped stones or gabions. Available with steel reinforcement for increased rigidity.

- » With or without reinforcement
- » Lengths: from 40 cm to 240 cm
- » Widths: from 5.5 cm to 19 cm
- » Thickness: from 4 cm to 6 cm





## OUTDOOR CLASSROOM

OPEN UP A WORLD OF POSSIBILITIES

Why bring nature to the classroom when you can bring the classroom to nature? hanit® products provide an all-year-round solution that require little maintenance, giving peace of mind and saving time. Use recycled plastic products to help educate future generations!



## hanit® RECYCLED PRODUCTS PROCESSING GUIDELINES

hanit® products can be processed as necessary with conventional tools and machinery used in wood and metal processing. In general, machining of profiles causes higher tool wear. We therefore recommend the use of carbide-tipped tools.



SAWING & CUTTING



DEBURRING



PLANING



DRILLING



ROUTING

### TIPS FOR PROCESSING RECYCLED PROFILES



When bolting recycled profiles together, the profile to be fastened must be pre-drilled (e.g. boards, dock planks, square profiles). The hole must be larger than the bolt. Elongated slots are recommended to account for the temperature-related expansion of the material.



Recycled profiles are only partially paintable due to their properties. Good results have been obtained using permanently elastic plastic paints (all-weather paints) together with a roughened surface and priming. Permanent paint adhesion cannot be guaranteed.



hanit® products can be nailed both conventionally and with nail guns. Due to the compact surface, it is, however, more difficult to penetrate the profiles than it would be with wood. Consider this when fixing.



Compared to wood or metal products, plastic has lower stiffness and greater flexibility. These special material properties must be observed accordingly when planning distance between supports in dock, fence, and patio construction.



If profiles are hammered, we recommend using a ram or a corner protector to prevent damage to the product.



Boards, beams, and square profiles must not be press-fitted. The profiles may exhibit length variations of +/- 1.5% due to temperature fluctuations. An expansion distance (expansion joint) must therefore be maintained during installation.



Sunlight affects the profile alignment, and can, for example, cause fence posts to tilt. To prevent profile distortion caused by sunlight, the profiles should not be stored loosely.



We have structural verification tests, installation recommendations, and mounting instructions for many products and applications. For more information please visit [www.hahnplastics.com](http://www.hahnplastics.com) (see "Downloads").

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HAHN Kunststoffe GmbH has been certified  
and authorised to use the "Blue Angel"  
eco-label since 2005.

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