



TECHNICAL CATALOGUE

Important information on GCC terrace boards











Contents

List of articles	2
Technical information	4
Quality standards	5
Colour depth	6
Care instructions	7
Care tip-timeline	8
Test report – mould	9
Safety instructions	13
Delivery forms & packaging units	15
Certificates	18

Valid as of: January 2016

LIST OF ARTICLES

GCC Terrace System

GCC Terrace System					
Profil	Article name	EAN Code	Colour	Length	HxWmm
	Combiboard 19 x 130 mm	4048533035416	terra brown	300 cm	19 x 130 mm
	Combiboard 19 x 130 mm	4048533035430	graphite	300 cm	19 x 130 mm
	Combiboard 19 x 130 mm	4048533035850	terra brown	400 cm	19 x 130 mm
	Combiboard 19 x 130 mm	4048533035874	graphite	400 cm	19 x 130 mm
	Combiboard 16 x 163 mm	4048533035690	terra brown	300 cm	16 x 163 mm
	Combiboard 16 x 163 mm	4048533035720	graphite	300 cm	16 x 163 mm
	Combiboard 16 x 163 mm	4048533035706	terra brown	400 cm	16 x 163 mm
	Combiboard 16 x 163 mm	4048533035737	graphite	400 cm	16 x 163 mm
	Terrace board 16 x 193 mm	4048533035751	brown	300 cm	16 x 193 mm
	Terrace board 16 x 193 mm	4048533035782	grey	300 cm	16 x 193 mm
	Terrace board 16 x 193 mm	4048533035768	brown	400 cm	16 x 193 mm
	Terrace board 16 x 193 mm	4048533035799	grey	400 cm	16 x 193 mm
	Combiboard 16 x 193 mm	4048533035454	terra brown	300 cm	16 x 193 mm
	Combiboard 16 x 193 mm	4048533035478	graphite	300 cm	16 x 193 mm
	Combiboard 16 x 193 mm	4048533035898	terra brown	400 cm	16 x 193 mm
	Combiboard 16 x 193 mm	4048533035904	graphite	400 cm	16 x 193 mm
	Combiboard 19 x 193 mm	4048533035614	terra brown	400 cm	16 x 193 mm
	Combiboard 19 x 193 mm	4048533035638	graphite	400 cm	16 x 193 mm
	Construction beam solid, 40 x 40 mm	4048533035485	anthracite	300 cm	40 x 40 mm
	Smooth edge board, smooth	4048533035652	terra brown	300 cm	17 x 60 mm
	Smooth edge board, smooth	4048533035676	graphite	300 cm	17 x 60 mm
	Smooth edge board, structured	4048533035812	brown	300 cm	17 x 60 mm
	Smooth edge board, structured	4048533035836	grey	300 cm	17 x 60 mm

LIST OF ARTICLES

GCC Terrace System



GCC Terrace system accessories				
	Article name	EAN Code	Colour	L x W x H
	ConStep mounting plate for construction beam 40 x 40 mm	4048533021402	black	245 x 136 x 79 mm
	ConStep single mount for construction beam 40 x 40 mm	4048533021419	black	96 x 60 x 55 mm
	ConStep double mount for construction beam 40 x 40 mm	4048533021440	black	214 x 60 x 55 mm
	Mounting shoe incl. screw M6 x 16 mm, washer, nut, 10 units, wood screw 4 x 30mm, adapter	4048533021495	V2A	78 x 40 x 22 mm
	Locking clamp, black 2-pce., 50 units/pack	4048533021617	V2A	66 x 24 x 27 mm
	Edge locking clamp, black 2-pce., 25 units/pack	4048533021624	V2A	66 x 18 x 27 mm
	Clip black incl. screws 50 units/pack	4048533021563	V2A	35 x 24 x 7.7 mm
	Edge clip, black, incl. screws 25 units/pack	4048533021570	V2A	35 x 24 x 7.7 mm
	Screw for smooth edge board, 10 units/pack M8 x 80 mm + washer + nut	4048533021471		M8 x 80 mm
	Slot bridge, 20 units/pack for construction beam 40 x 40 mm	4048533021464	V2A	55 x 10 x 8 mm
	Connecting shoe for construction beam 40 x 40 mm	4048533021433	grey	2050 x 60 x 28mm
	Spiked band 10 m (on a roll)	4048533021501	black	10,000 x 14 x 2 mm
	Safety tape, self-adhesive 10 m (on a role)	4048533021532	black	10,000 x 10 x 1.2 mm
	Rubber pad 3 mm	4048533021600	black	100 x 60 x 3 mm
	Rubber pad 10 mm	4048533021594	black	100 x 60 x 10 mm
	Rubber pad 20 mm	4048533021587	black	100 x 60 x 20 mm
	Lower edge fixing screws 92 mm, TX 30, for lower edge 40 x 40 mm	4048533021655	galvanized	92 x 7.5 mm
	ConStep rubber pad 3 mm	4048533021686	black	300 x 300 x 3 mm
	ConStep rubber pad 5 mm	4048533021679	black	300 x 300 x 10 mm
	ConStep rubber pad 10 mm	4048533021662	black	300 x 300 x 20 mm

GCC terrace boards

Material description

German Compact Composite (GCC) is a polymer-bound wooden material and comprises to 75% natural fibres, high quality polymers, suitable additives and dyes.

Characteristic properties and advantages

- high resistance to external environmental influences
- can be processed as easily as normal wood
- laying with a clamp system
- high surface hardness, anti-slip
- wood entirely from sustainable forestry
- imbued and ready-to-use surface
- resistant to mould infestation in accordance with IHD-Standard 20-25 (2006)

Technical data			
Property		Unit	GCC ₁
Thickness		g/cm ³	1.2
Breaking force*		N	≥3.200
Swelling after coldwater storage (28 days)	Mass	Weight %	≤4.0
	Length	%	≤0.3
	Width	%	≤0.6
	Thickness	%	≤4.0
Slip resistance	Friction coefficient		≥0.43
Behaviour when subjected to stress variations		%	≤20
Thermal expansion coefficient		10 ⁻⁶ / K	15.6

The values were calculated using test specimens and can fluctuate for production reasons. They are therefore to be seen as being guideline values.

*) The value is valid for each of the boards with a support clearance (centre support) of 40 cm!

;) Threshold values for GCC Terrace Boards.

Production-related dimensional tolerances for GCC terrace boards (130 mm)		
	Stipulation	Tolerance range
Length	300 cm, 400 cm	±0.0 / + 20.0 mm
Width	130 mm	-2.0 / + 1.0 mm
Thickness	19 mm	-1.0 / + 1.0 mm

Production-related dimensional tolerances for GCC terrace boards (163 mm)		
	Stipulation	Tolerance range
Length	300 cm, 400 cm	±0.0 / + 20.0 mm
Width	163 mm	-2.0 / + 1.0 mm
Thickness	16 mm	1.0 / + 1.0 mm

Production-related dimensional tolerances for GCC terrace boards (193 mm)		
	Stipulation	Tolerance range
Length	300 cm, 400 cm	±0.0 / + 20.0 mm
Width	193 mm	-2.0 / + 1.0 mm
Thickness	16 mm, 19 mm	-1.0 / + 1.0 mm



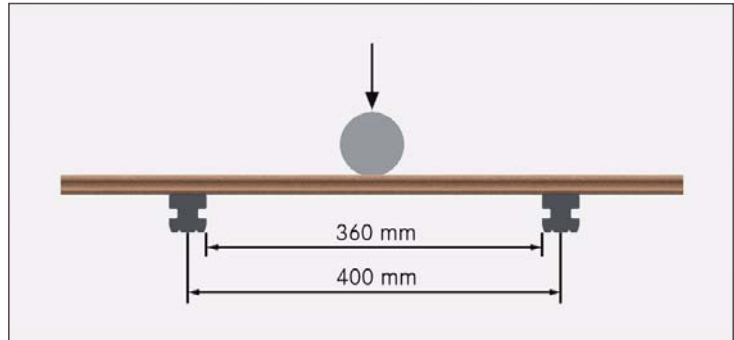
GCC terrace boards

1. Mechanical properties of the GCC terrace boards

Three point bending:

Clear span of the support: 360 mm
 Testing speed: 20 mm/min
 Breaking force: 3,200 N*

* 3,200 N corresponds to ≈ 320 kg/board with a 40 cm support clearance (centre support) of the subconstruction beam.



2. Permissible dimensional changes after water absorption

Permissible dimensional changes after water absorption* GCC terrace boards

Dimension	Measuring Point	Permissible Dimensional Changes Warranted Values	Remarks	
Length	Maximum value	Board length 300 cm	≤ 9.0 mm	Observe clearances from fixed components
		Board length 400 cm	≤ 12.0 mm $\leq [3 \text{ mm/m}]$	
Width	Centre board		≤ 2.0 mm	
Thickness	Centre board		≤ 1.5 mm	

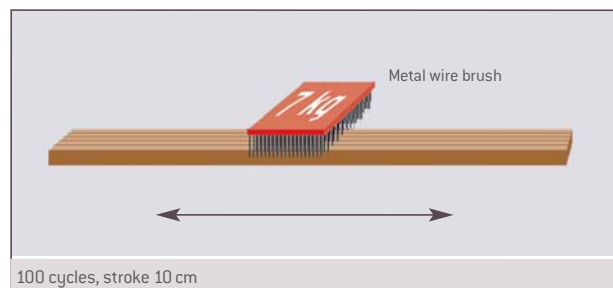
* with outdoor weather exposure and construction with adherence to the construction instructions

GCC Terrace boards and Bangkirai

Comparative abrasion test



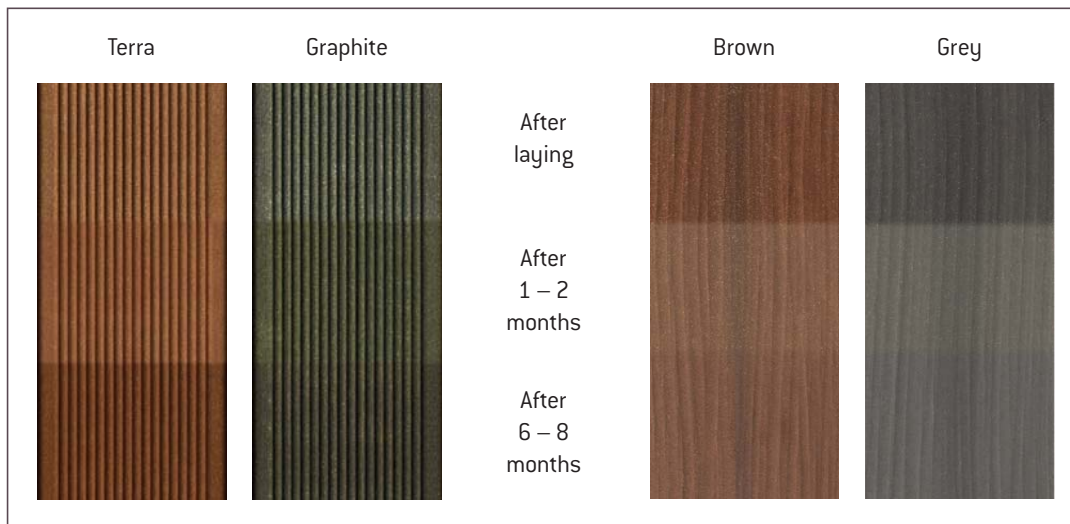
Abrasion test conditions



COLOUR MATURATION

The high dosing accuracy results in a very good product homogeneity. Our products are not manufactured using an intermittent process, but in a continuous one. The mix is pressed through the the shaping tool under high pressure after passing through a discharge extruder. After production, rotating steel brushes are used to remove the polymer surface, the result being an optically haptic wood surface. The material wood makes its mark on our innovative product with its natural characteristics. The visible colour fluctuations can be the result of the the lignin.

At the start of its life, the product has a bright and glossy colour. It should be taken into account that it is a natural product that is subject to a colour maturation as a result of being subjected to weathering. The processed chipboard darkens during the first weeks, from a slight yellow shimmer to a rich and fine colour. It is important that the board is laid in the brushing direction (laying arrow), as the surface effect (lawnmower effect) could otherwise differ due to the fibre orientation.



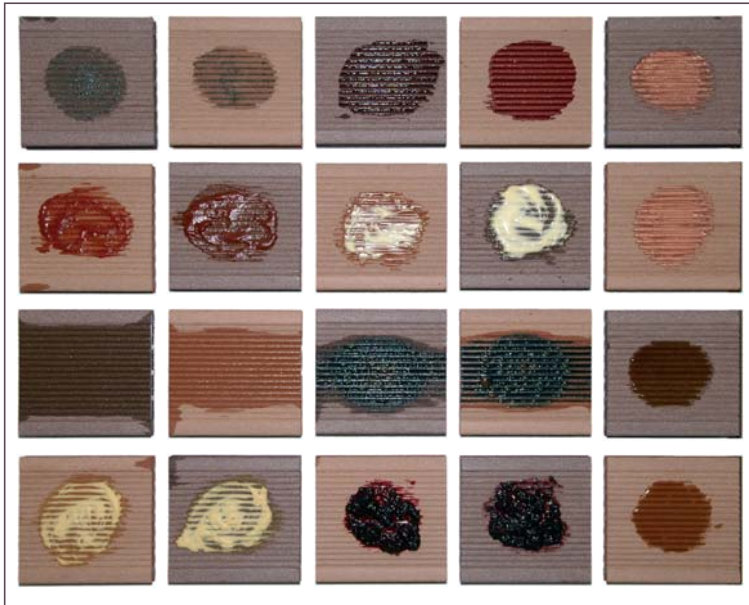
The natural colour maturation is tested in the accelerated weathering tester. Hereby, the solar radiation and humidity are simulated in periodic changes, 1000 hours of weathering correspond to around one year of outdoor weathering.



The quality of our products is inspected on a daily basis. The product is only shipped after the quality inspection has been completed.



How can stains be removed?



Extensive tests in our laboratory have produced the following results:

We have subjected our terrace boards to the best known soiling. The results have shown us that normal soiling can be removed best with clear water, conventional cleaning appliances and some patience. After cleaning with tap water and a couple of days of being subjected to light, the majority of the stains were no longer visible. Fine dust stains (such as soot and metallic dust) are to be avoided under all circumstances. This can cause permanent optical impairments.



Natural fibre encasement before treatment



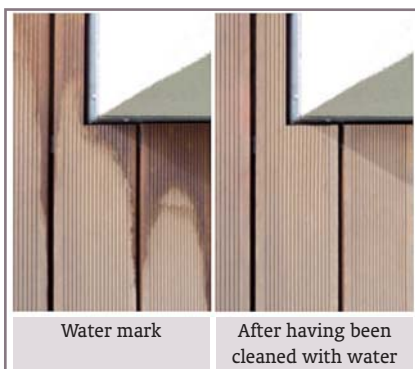
Natural fibre encasement after mechanical treatment (e.g. brass brush, chisel or natural weathering)

Natural fibre encasement (Bast)

GCC consists of up to 75 % natural fibres. They are specially treated, dried and supplied to production in a closed system. Due to the raw material, other natural fibres, such as bast (transitional layer between bark and wood) could become encased. These particles could reach the surface following weathering.

Only 0.03 % of the surface should be affected by this. The particle size must not exceed 0.5 cm². These particles will mostly disappear in time through use (abrasion) of the terrace. They can also be removed mechanically

This does not damage the product. In accordance with EPLF (European Laminate Floor Association), the particles that are visible at head height when light is shining on them vertically are used for evaluation purposes.



Water mark

After having been cleaned with water

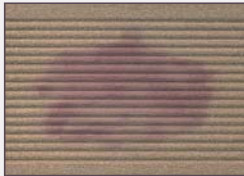






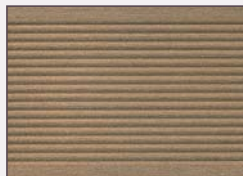





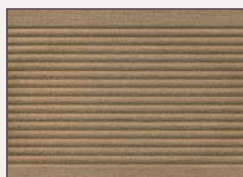
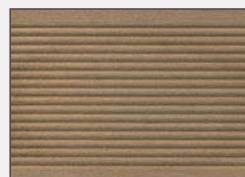



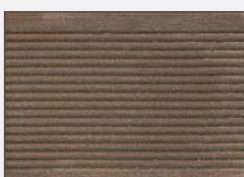
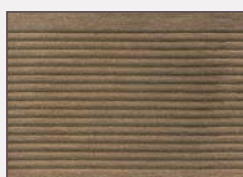
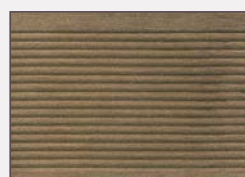



Water marks

Water marks could form on partially covered terraces at the transitional roofed/uncovered area. Rainwater is washed over the surface to the roof and later dry dust particles are briefly moistened, then dry and remain on the surface. This effect does not have an effect on the quality of the boards and is not a ground for complaint. The water marks can normally be removed using tap water and conventional cleaning appliances.

This effect weakens with time, but it cannot be completely prevented.

CARE TIPS

Timeline

	Begin washed	7 days	14 days
Blackberries			
Coffee			
Mustard			
Ketchup			
Cream dressing			
Red wine			
Copper paste			
Soot, oil			



1. Test of the resistance to mould

1.1 Test information

Test principle:

Shaped test specimens were subjected to mould formation by them being vaccinated with a defined mixture of spores. As the test specimen is intended for outdoor use, some of the test specimens were subjected to a washing out prior to the biological test being conducted. In order to simulate a nutrient intake by soiling in the practice, testing was carried out under intensified conditions, i.e. with addition of a nutrient solution.

The test batches were incubated for a period of four weeks in conditions that support the growing and germination of mould. The evaluation of the mould growth as a test criteria was carried out after 7, 14 and 28 days on the basis of a specified classification.

Test variants:

- Standard test without nutrient solution and without aging
- Standard test without nutrient solution and after subjection to washing out
- Intensified test with nutrient solution and without aging
- Intensified test with nutrient solution and after subjection to washing out

Underlying test procedure:

The test was on the basis of IHD Standard 20-25 (2006): "Test of the Resistance of Construction and Wood Materials to Mould", based on EN 60068-2-10:2005 "Environmental Influences - Parts 2-10: Test procedures – Test J and Guideline: Mould Growth" (IEC 60068-2-10:2005).

Tested mould:

Aspergillus niger, Paecilomyces variotii, Penicillium funiculosum, Trichoderma viride, Chaetomium globosum

Cultivation conditions:

28-days incubation in an incubator at 29°C and 95% rel. air humidity

Sterilisation procedure:

Pressure cooker (100°C, 2 x)

Aging prior to test:

Saturation without a vacuum for 7 days with 6 times water exchange (based on DIN EN 84)

Test specimen dimensions:

Test material: 50 x 20 x 5 mm³

Reference material: 50 x 25 x 15 mm³ (pine splint), 60 x 60 x 20 mm³ (MDF)

Date of test specimen installation/removal:

26 January 2006 / 23 February 2006

1.2 Results

Table 3: Test **without prior subsection to washing out**:

Vegetation on top surface of specimen after 28 days (average values from 6 individual values)

No.	Material	Average Rating Number			
		External infection		Self-inspection	
		Standard test	Intensified test	Standard test	Intensified test
1)	WPC H40-05, grey	1	1	1	1
2)	WPC H41-05, brown	1	1	1	1
3)	Bangkirai	1	3	1	3

Table 4: Test **after prior subsection to washing out**:

Vegetation on top surface of specimen after 28 days (average values from 6 individual values)

No.	Material	Average Rating Number			
		External infection		Self-inspection	
		Standard test	Intensified test	Standard test	Intensified test
1)	WPC H40-05, grey	1	1	1	1
2)	WPC H41-05, brown	1	1	1	1
3)	Bangkirai	1	3	1	3

Evaluation scheme:

0 No mould growth on the test specimen surface when observed under a reflected light microscope and a 50-fold enlargement.

1 Mould growth not or barely detectable with the naked eye but clearly detectable with a 50-fold enlargement.

2 Mould growth clearly detectable with the naked eye and considerably weaker than on the comparison test specimens.

3 Mould growth clearly detectable with the naked eye and equal to or stronger than on the comparison test specimens.

Table 5: Wood humidity after test without prior **washing out**
(Average values from 6 individual values)

No.	Material	Average Rating Number			
		External infection		Self-inspection	
		Standard test	Intensified test with nutrient solution	Standard test	Intensified test with nutrient solution
1)	WPC H40-05, grey	13.7	13.3	12.0	13.1
2)	WPC H41-05, brown	12.0	11.7	11.4	12.1
3)	Bangkirai	21.6	21.3	19.3	20.2
4)	Ref. pine splint	26.9	27.4	26.8	27.0
5)	Ref. light MDF	26.4	26.2	29.2	25.1

1.4 Photos



Fig. 3: Selected test specimens after the mould test: no vegetation macroscopically detectable.



Fig. 4: Reference test specimen after mould test: vegetation clearly detectable (top: MDF, bottom: pine splint).



Fig. 5: Mould on test specimen 10 (H40), 40-fold enlargement.

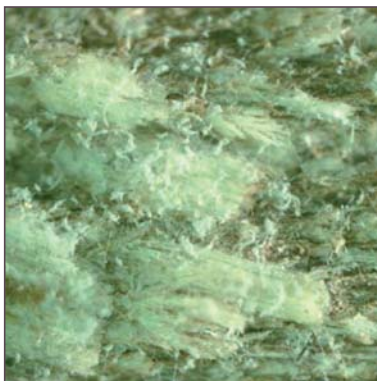


Fig. 6: Mould on test specimen 22 (H41), 40-fold enlargement.



Fig. 7: Mould on test specimen 59 (H40), 40-fold enlargement.

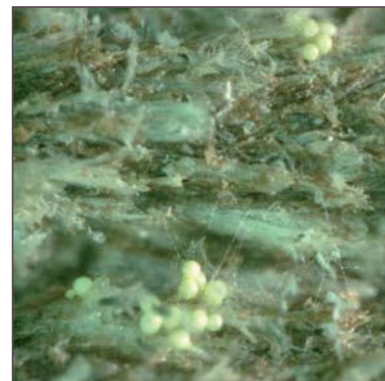


Fig. 8: Mould on test specimen 72 (H41), 70-fold enlargement.



Fig. 9: Mould on test specimen 77 (Bangkirai), 50-fold enlargement.

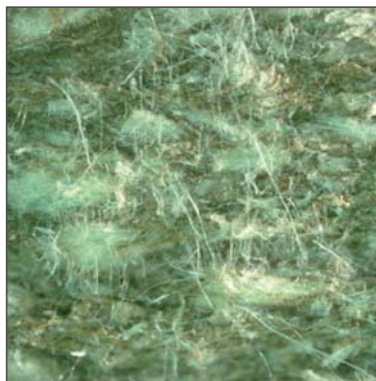


Fig. 10: Mould on test specimen 122 (H41), 40-fold enlargement.

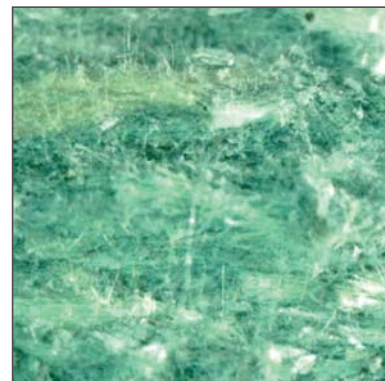


Fig. 11: Mould on test specimen 161 (H40), 40-fold enlargement.

225 009

Table 6: Wood moisture after testing **with prior subsection to washing out**
 (Average values from 6 individual values)

No.	Material	Average Rating Number			
		External infection		Self-inspection	
		Standard test	Intensified test with nutrient solution	Standard test	Intensified test with nutrient solution
1)	WPC H40-05, grey	13.7	14.9	13.5	12.6
2)	WPC H41-05, brown	13.1	12.7	12.1	12.3
3)	Bangkirai	21.7	20.9	20.4	21.6
4)	Ref. pine splint	27.2	27.6	27.1	27.4
5)	Ref. light-MDF	25.3	26.3	26.9	27.6

1.5 Evaluation/Summary

Due to the structure and colour of the WPC material, the mould vegetation was not detectable with the naked eye (Fig. 3). When observed under a reflected-light microscope however, it was clear that mould was growing on the tested variants "H40-05" and "H41-05" (Figs. 5 to 11), but at a clearly lower level than on the comparison MDF and pine split test specimens. The vegetation on Bangkirai was low when applying the standards tests and high when applying the intensified test after additional nutrients had been added. The subsection of WPC and Bangkirai to washing out did not have a significant influence on the mould resistance.

The evaluation of the resistance to mould is based on the following scheme

(IHD works standard VA20-25):

Bonitation level	Field of application	
	Indoor area ¹⁾	Outdoor area ²⁾
0	Resistant	Resistant
1	Moderately resistant	Resistant
2	Not resistant	Moderately resistant
3	Not resistant	Not resistant

¹⁾ All areas, where the material comes into contact with room air of common rooms.

²⁾ All areas that are not covered by the definition of indoor areas.

As the tested materials were terrace decks for outdoor areas, the final evaluation is based on the result of the test variant "intensified test condition with subsection to washing out": The laboratory tests showed that the WPC variants "H40-05" and "H41-05" are resistant to mould when used outdoors, whereby this is not the case with regard to Bangkirai.



Dipl.-Biol. Katharina Plaschkies
 Responsible Clerk

Dresden, 28 February 2006

SAFETY INSTRUCTIONS



1.) Material and Manufacturer Designation

Product designation:

Material/substance type:

Use:

Manufacturer:

German Compact Composite

Polymer bonded wood material

Production of extruded profiles and injection moulded elements

NOVO-TECH GmbH & Co. KG

Siemensstraße 31 • D-06449 Aschersleben, Germany

Tel.: +49 (0) 3473 / 22503 - 0

Fax: +49 (0) 3473 / 22503 - 15

2.) Chemical Composition / Components Information

Composition:

Cellulose	CAS-No.: 9004-34-6	30 – 40 %
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Hemicellulose	CAS-No.: 9025-53-2	18 – 24 %
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Lignin	CAS-No.: 9005-53-2	12 – 16 %
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HDPE	CAS-No.: 9002-88-4	0 – 40 %
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3.) Possible risks

No health or environmental risks if used and handled correctly.

4.) First Aid Measures

No special measures required

5.) Firefighting measures

Suitable extinguishing agents:

water jet spray, foam, CO₂, extinguishing powder

6.) Measures in Case of Unintentional Release:

Person-related measures:

Cleaning:

no special measures required.

absorb mechanically (e.g. vacuuming)

7.) Handling and Storage

Storage:

Fire prevention measures:

Handling:

smoking prohibited in the storage area.

open flame prohibited.

to avoid electrostatic discharges, the production and handling equipment should be made of electrically conductive material and be well earthed.

With thermal processing:

extract vapours and/or ensure working areas are sufficiently ventilated.

8.) Exposure limit and personal protective equipment

Work hygiene:

General protective measures:

Skin protection:

Eye protection:

comply with general protective and hygiene measures:

Always wash hands before eating, drinking, smoking or using the lavatory.

ensure sufficient aeration and ventilation during processing.

not required

not required

9.) Physical and Chemical Properties

Form:

Colours:

Odour:

pH-value (with 100g/l H₂O and 20°C):

Melting point:

granulate

brown, black, multicoloured

wood

4.5 – 6.5

not applicable

SAFETY INSTRUCTIONS

Fire protection classification:	normal flammable material pursuant to DIN EN 13501-1:2010 Classification: D _n -s1 (formerly B2)
Boiling point (1013 hPa):	not applicable
Flashpoint:	not applicable
Ignition point:	ca. 420°C (DIN 51 795)
Explosion limits:	not applicable
Vapour pressure (20°C):	not applicable
Density (20°C):	700 kg/m ³ - 1,200 kg/m ³
Bulk density:	400 kg/m ³ - 500 kg/m ³
Solubility in water (20°C):	insoluble
Product designation:	polymer bonded wood material

10.) Stability and Reactivity

Stability:	product is stable under normal conditions. Thermal decomposition starts at approx. 180°C.
Dangerous reactions:	none known
Hazardous decomposition products:	incomplete combustion releases carbon monoxide and possibly other hazardous substances such as soot, for example.

11.) Toxicological Information

No hazardous effects known when handled correctly.

12.) Ecological Information

The product is a wood polymer mixture that is insoluble in water and does not have any negative environmental impacts in environmental conditions. Up to 75% of the product is made from renewable raw materials.

13.) Disposal Instructions

According to the European Waste Catalogue (EWC), wood-PE belongs to the group of waste from wood processing and the manufacturing of boards and furniture, such as sawdust, chips, cut waste, wood, chipboard and veneers without toxic contents, **Code 03 01 05**. The product can be recycled to 100% using suitable process technology. The product is to be disposed of with adherence to the local official disposal regulations (e.g. waste incineration, waste dumps).

14.) Transport Information

Not subject to mandatory labelling pursuant to directive 67/548/EEC, the Hazardous Substances Ordinance (GefStoffV) and other rules and regulations. Not a hazardous substance as defined in the valid transport regulations.

15.) Rules and Regulations

EEC- labelling:	not subjected to mandatory labelling accord. to EEC rules and regulations.
Risk symbols, R-phrases and S-phrases:	not required.
Water pollution class:	WPC 0 (not hazardous to water)

16.) Additional Information

The information provided here mirrors the current state of knowledge and experience and serves to describe the safety-related aspects of the product. This information is not deemed to be a warranty or guarantee of product properties, however.

This product safety sheet was prepared in accordance with the second revision of directive 91/155/EEEC on the basis of directive 2001/58/EC of the Commission from 27 July 2001.

This safety data sheet is valid for the following:	GCC Polymergebundener Holzwerkstoff
Valid as of:	1 January 2012

DELIVERY FORMS AND PACKAGING UNITS



GCC Terrace System

GCC Combiboard (19 x 130 mm)				Package contents 108 units
Length in cm	Running m	kg/unit	sqm/pack	kg/pack
300	324.00	7.71	42.12	832.70
400	432.00	10.28	56.16	1,110.20

GCC Combiboard (16 x 163 mm)				Package contents 84 units
Length in cm	Running m	kg/unit	sqm/pack	kg/pack
300	252.00	8.85	42.12	743.60
400	336.00	11.80	56.16	991.40

GCC Terrace board (16 x 193 mm)				Package contents 70 units
Length in cm	Running m	kg/unit	sqm/pack	kg/pack
300	210.00	10.94	42.12	765.50
400	280.00	14.58	56.16	1.020.60

GCC Combiboard (16 x 193 mm)				Package contents 70 units
Length in cm	Running m	kg/unit	sqm/pack	kg/pack
300	210.00	10.59	42.12	741.30
400	280.00	14.12	56.16	988.40

GCC Combiboard (19 x 193 mm)				Package contents 60 units
Length in cm	Running m	kg/unit	sqm/pack	kg/pack
400	240.00	15.76	56.16	945.60

GCC Construction beam (40 x 40 mm)				Package contents 300 units
Length in cm	Running m	kg/unit	sqm/pack	kg/pack
300	900.00	4.95	42.12	1,485.00

GCC Smooth edge board, smooth (17 x 60 mm)				Package contents 64 units
Length in cm	Running m	kg/unit	sqm/pack	kg/pack
300	192.00	3.96	24.96	253.25

GCC Smooth edge board, structured (17 x 60 mm)				Package contents 64 units
Length in cm	Running m	kg/unit	sqm/pack	kg/pack
300	192.00	3.81	24.96	243.84

GCC Connecting shoe (28 x 60 mm)				Package contents 12 units
Length in cm	Running m	kg/unit	sqm/pack	kg/pack
205	24.60	1.86	17.06	22.31

DELIVERY FORMS AND PACKAGING UNITS

GCC Terrace System Accessories

GCC Terrace System Accessories	Package content in PU
ConStep mounting plate	288 units
ConStep single mount	120 units
ConStep double mount	30 units
Mounting shoe, 10 units incl. screws	10 units
Locking clamp, black, incl. screws, 50 units/pack	48 packs
Edge locking clamp, black, incl. screws, 25 units/pack	24 packs
Clip black, incl. screws, 50 units/pack	50 packs
Edge clip, black, incl. screws, 25 units/pack	25 packs
Screw for smooth edge board, M8 x 80 mm + washer + nut, 10 units/pack	
Wood screw 4x30 mm, adapter	10 packs
Slot bridge, 20 units/pack	10 packs
Spiked band, 10 m/roll	1 roll
Safety tape, self-adhesive 10 mm, 10 m/roll	1 roll
Rubber pad 60 x 100 x 20 mm	100 units
Rubber pad 60 x 100 x 10 mm	100 units
Rubber pad 60 x 100 x 3 mm	100 units
Lower edge fixing screws 7.5 x 92 mm incl. bit and drill, TX 30	50 packs
ConStep rubber pad 300 x 300 x 3 mm	80 units
ConStep rubber pad 300 x 300 x 5 mm	80 units
ConStep rubber pad 300 x 300 x 10 mm	40 units

DELIVERY FORMS AND PACKAGING UNITS



GCC Terrace System

	Package content	Package dimensions	Unit	Delivery form
Combiboard 19 x 130 mm	108 units of 6 each next to each other and 18 each on top of each other	780 x 450 cm Lengths 300 cm and 400 cm	2 units each in full foil	In packages on untreated squared timber supports; packaging tape and edge protection
Combiboard 16 x 163 mm	84 Stück of 6 each next to each other and 14 each on top of each other	980 x 330 cm Lengths 300 cm and 400 cm	2 units each in full foil	In packages on untreated squared timber supports; packaging tape and edge protection
Terrace board 16 x 193 mm	70 units of 5 each next to each other and 14 each on top of each other	970 x 330 cm Lengths 300 cm and 400 cm	2 units each in full foil	In packages on untreated squared timber supports; packaging tape and edge protection
Combiboard 16 x 193 mm	70 units of 5 each next to each other and 14 each on top of each other	970 x 330 cm Lengths 300 cm and 400 cm	2 units each in full foil	In packages on untreated squared timber supports; packaging tape and edge protection
Combiboard 19 x 193 mm	60 units of 5 each next to each other and 12 each on top of each other	1,020 x 378 cm Length 400 cm	not wrapped in foil	In packages on untreated squared timber supports; packaging tape and edge protection
Construction beam 40 x 40 mm	50 units of 10 each next to each other and 5 each on top of each other	400 x 305 cm Length 300 cm	not wrapped in foil	In packages on untreated squared timber supports; packaging tape and edge protection
Smooth edge board smooth 17 x 60 mm	64 units of 8 each next to each other and 8 each on top of each other	480 x 240 cm Length 300 cm	4 units each in full foil	In packages on cardboard, untreated squared timber supports; packaging tape and edge protection
Smooth edge board structured 17 x 60 mm	64 units of 8 each next to each other and 8 each on top of each other	480 x 240 cm Length 300 cm	4 units each in full foil	In packages on cardboard, untreated squared timber supports; packaging tape and edge protection
Connecting shoe 28 x 55 mm	12 units of 3 each next to each other and 4 each on top of each other	16.7 x 11 cm Length 205 cm	not wrapped in foil	In packages on cardboard, untreated squared timber supports; packaging tape and edge protection

ZERTIFIKAT CERTIFICATE



The certification body HW-Zert GmbH, notified by PEFC Germany e. V., certifies hereby that the organisation

NOVO-TECH GmbH & Co. KG

Siemensstraße 31
06449 Aschersleben

with the locations listed on page 2

applies a management system in line with the



Chain-of-Custody-Standard of PEFC

Programme for the Endorsement of Forest Certification according to the international PEFC standard PEFC ST 2002:2013 "Chain of Custody of Forest Based Products – Requirements" (German PEFC standard PEFC D 1003:2013) in the actually valid version **PEFC/04-31-1231** (to this see also www.pefc.org).

It was proved that the requirements with regard to

physical separation method

are fulfilled and applied. The enterprise signed a surveillance contract with HW-Zert GmbH and is audited every year. This certificate authorizes to sell the in the area of application listed products/product groups according to the above-named method as **PEFC certified**.

Kind of certificate:

Individual certification

PEFC-Scope:

Other primary forest industries

Area of application:

Produkte aus Holz-Polymer-Werkstoffen

Registration number HW-Zert GmbH: **HW-CoC-0354-14**

Initial certification: **01.06.2014**

This certificate is valid until: **31.05.2019**


Horst Gleißner
Owner-manager


Wilfried Stech
Owner-manager

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HW-Zert is notified in Austria, Belgium, Canada, Denmark, Finland, France, Germany, Ireland, Italy, Malaysia, the Netherlands, Poland, Portugal, Sweden, Switzerland, Slovakia, Slovenia, United Kingdom and through PEFC international in all countries without an own PEFC-system.



ZERTIFIKAT CERTIFICATE



ATTACHMENT to the PEFC-CoC-certificate of the HW-Zert GmbH
Number HW-CoC-0354-14 of 01.06.2014

with regard to the Chain-of-Custody-standards of PEFC
for the organisation

NOVO-TECH GmbH & Co. KG

Siemensstraße 31
06449 Aschersleben

The certificate includes among the above-named enterprise following locations:

ERFURT.SASSE Industry Holding GmbH & Co. KG
Siemensstraße 29

This certificate is valid until:

31.05.2019

Horst Gleißner
Horst Gleißner
Owner-manager

W. Stech
Wilfried Stech
Owner-manager



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