



Aachen, den 02.07.2015

# PRODIS-GUT License

to use the label of

**Gemeinschaft umweltfreundlicher Teppichboden e.V.**

in combination with the label of the related product information system,

**GUT-PRODIS-Label**

for the article: **HERCULES AB**

of the manufacturer: **Balta Industries NV/Division ITC**

PRODIS-GUT  
license number: **7FEABA8F**

*Basic product description:*

Type of manufacture: pile carpet acc. EN 1307 - tufted  
Type of surface: cut pile - multicoloured plain  
100% PA6  
Type of backing: textile backing - woven - man-made fibres

The above article fulfills the GUT requirements (compliance with thresholds and ban of use regarding VOC emissions, harmful substances and odor) as well as the declared use characteristics in the pictograms. On behalf of "Gemeinschaft umweltfreundlicher Teppichboden e.V." the license is granted.

Information about the current validity of the license as well as information on the GUT criteria, use and additional characteristics, or related Environmental Product Declarations (EPD), can be found on the related product page at [www.gut-ev.de](http://www.gut-ev.de) or [www.pro-dis.info](http://www.pro-dis.info). Please search with the indicated PRODIS-GUT license number or simply scan the QR code, directly linked with the appropriate product page.



GUT Safety Code

This license was issued electronically and requires no further signature.

Gemeinschaft umweltfreundlicher Teppichboden e.V.,  
D-52068 Aachen, Schönebergstrasse 2

PRODIS

THE COMPREHENSIVE  
EUROPEAN PRODUCT  
INFORMATION SYSTEM FOR  
TEXTILE FLOORCOVERINGS

# GUT Product Test Criteria and limit values

The GUT Signet can be granted only to members of Gemeinschaft umweltfreundlicher Teppichboden e.V.

(Only manufacturers of textile floorcoverings can become members)



The use of the substances listed below is either forbidden or GUT has specified limit values for the substances that must not be exceeded.

## ORGANIC CARRIERS (DYEING ACCELERANTS)

GUT test procedure No. 1

There is a ban on the use of the carriers listed.

Di-, tri-, tetra-, penta- and hexachlorobenzenes; di-, tri-, tetra- and pentachlorotoluenes

## AZODYES

GUT test procedure No. 2

There is a ban on the use of dyes and pigments which, under reductive conditions, release carcinogenic amines.

4-aminodiphenyl, benzidine, 4-chloro-o-toluidine, 2-naphthylamine, o-amino-azotoluene, 2-amino-4-nitrotoluene, p-chloroaniline, 2,4-diaminoanisole, 4,4'-diaminodiphenylmethane, 3,3'-dichlorobenzidine, 3,3'-dimethoxybenzidine, 3,3'-dimethylbenzidine, 3,3'-dimethyl-4,4'-diaminodiphenylmethane, p-cresidine, 4,4'-methylene-bis-(2-chloroaniline), 4,4'-oxydianiline, 4,4'-thiodianiline, o-toluidine, 2,4-diaminotoluene, 2,4,5-trimethylaniline, o-anisidine, p-amino-azobenzene\*, 2,4-xylidine, 2,6-xylidine, 6-amino-2-ethoxynaphthalene\*\*, 4-amino-3-fluorophenol\*\*  
(\*not identifiable, \*\*special procedure required)

## DISPERSE DYES

GUT test procedure No. 3

There is a ban on the use of the dyes listed, which are classified as "allergising".

C.I. Disperse Blue 1, -3, -7, -26, -35, -102, -106 and -124, C.I. Disperse Orange 1, -3, -37/76, C.I. Disperse Red 1, -11 and -17, C.I. Disperse Yellow 1, -3, -9, -39 and -49

## CARCINOGENIC DYES

GUT test procedure No. 4

There is a ban on the use of the dyes listed, which are classified as "carcinogenic".

C.I. Acid Red 26, C.I. Basic Red 9, C.I. Direct Red 28, C.I. Direct Blue 6, C.I. Disperse Blue 1, C.I. Disperse Yellow 3, C.I. Direct Black 38

## HEAVY METALS

GUT test procedure No. 5

Dyes and pigments containing the listed heavy metals as ingredients of the dyeing component must not be used to dye the pile material. The limit value for the total heavy metal content of a fitted carpet is 100 mg/kg.

Pb (lead), Cd (cadmium), Hg (mercury), Cr (chromium total) or Cr(VI)

## FLAME RETARDANTS

GUT test procedure No. 6

There is a ban on the use of the halogenous and phosphorous flame retardants listed.

PBB, TRIS, TEPA, SCCPs, PeBDE (pentabromodiphenylether)

## ACTIVE BIOCIDAL SUBSTANCES

### GUT test procedure No. 7

For the biocides listed that may be contained as active substances in respective formulations there is either a ban on their use or a limit value was specified for the respective active substance or group of active substances.

- 1) There is a ban on the use of products containing **TBT**.
- 2) The limit value for the **chlorophenols**, pentachlorophenol and tetrachlorophenol (PCP and TeCP), is 0.1 mg/kg.
- 3) For **orthophenylphenol** (OPP), there is a limit value of 1 mg/kg.
- 4) For the **chlororganic pesticides** listed, there is a limit value of 0.04 mg/kg for each individual substance and of 1 mg/kg for the sum of all components, respectively.  
o,p' and p,p' -DDE, -DDD and -DDT,  $\alpha$ ,  $\beta$ ,  $\delta$ ,  $\epsilon$ -hexachlorocyclohexane, aldrine, dieldrine, endrine, heptachlor, heptachloroepoxide, hexachlorobenzene, lindane, methoxychlor, mirex, toxaphene, \* $\alpha$ - and  $\beta$ -endosulphane
- 5) For the **phosphororganic pesticides** listed, there is a limit value of 0.04 mg/kg for each individual substance and of 1 mg/kg for the sum of all components, respectively.  
Diazinon, dichlorofenthion, dichlorophos\*\*, malathion\*\*, parathion-ethyl, parathion-methyl\*, trifluralin (\*special procedures required, \*\*other identification limits).
- 6) For the **herbicides**, 2,4,5-T and 2,4-D, there is a limit value of 0.04 mg/kg for each individual substance and of 1 mg/kg for the sum of all components, respectively.
- 7) Except for permethrine, there is a ban on the use of all **pyrethroids** for the protection of wool against moths and beetles.
- 8) As moth- and beetle-proofing agent for the sole finishing of woollen fitted carpets, **permethrine** may be used up to a maximum limit of 210 mg/kg. Application must be conducted in compliance with a prescribed procedure.

## EMISSIONS FROM TEXTILE FLOORCOVERINGS

### GUT test procedure No. 8

Volatile organic components from textile floorcoverings are determined in compliance with the test-chamber process. The following limit values are specified for the components listed.

TVOC	300 $\mu\text{g}/\text{m}^3$	Test chamber method (EN 13419; 1+2; ISO 16000). The test is performed 72h after $t = 0$ . For calculation and evaluation of the R-value, the actual LCI-Value List as published by AgBB* is used.
VOC without LCI	100 $\mu\text{g}/\text{m}^3$	
R-Value	$\leq 1$	
SVOC (C <sub>16</sub> to C <sub>22</sub> )	30 $\mu\text{g}/\text{m}^3$	
Cancerogenic Substances (EU-list Class 1 a. 2)	n.n.	

\* Ausschuss zur gesundheitlichen Bewertung von Baumaterialien

## ODOUR

### GUT test procedure No. 9

The material tested should only have the low-intensity odour typical of a new product.

The test mark following appraisal by a team of 7 persons must be a value  $< 4$ .

## REQUIREMENTS ON LATICES

### GUT test procedure No. 10

The latices used for coating must meet the following requirements on the residual monomer content.

For the individual substances styrene and 4-PCH, the limit value is 200 mg/kg of latex, and for ethylbenzene and 4-VCH, the limit value for each is 50 mg/kg of latex.

The limit value of the sum for all 4 components is 400 mg/kg of latex.

For the manufacture of foam coatings, there is a ban on the use of the vulcanisation accelerator Zn-diethyldithiocarbamate (ZDEC).



# DECLARATION OF PERFORMANCE

DOP: 1011#IE0ACL

1. Unique identification code of the product-type:

1011#IE0ACL

2. Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4):

HERCULES AB - Textile floor covering - pile carpet acc. EN 1307

3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

For use as floor covering in buildings (see EN 14041) according to the manufacturer's specifications.

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5):

Balta Industries NV/Division ITC - Kanegemstraat 15 - B - 8700 Tielt



5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2):

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6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:

System 3

7. In case of the declaration of performance concerning a construction product covered by a harmonised standard: Name of the notified test laboratory, that has issued the certificate of conformity of the factory production control, inspection reports and calculation reports (if relevant).

CRET; Centre de recherches et d'etudes techniques du tapis Rue du vert bois, Zone industrielle, P.O. Box 30 F - 59531 Neuville-en-Ferrain Cedex

Notified Body

2013/084

certificate of constancy of performance

8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:

not applicable

9. Declared performance

Essential characteristics	Performance	Harmonised technical specification
Reaction to fire	Cfl-s1	EN 14041 :2004/AC:2006
Content of Pentachlorophenol	DL PCP	EN 14041 :2004/AC:2006
Formaldehyd Emissions	NA HCHO	EN 14041 :2004/AC:2006
Slip resistance	DS	EN 14041 :2004/AC:2006
Electrical behavior (dissipative)	NPD	EN 14041 :2004/AC:2006
Electrical behavior (conductive)	NPD	EN 14041 :2004/AC:2006
Electrical behavior (antistatic)		EN 14041 :2004/AC:2006
Thermal conductivity [W/mK]	0.067	EN 14041 :2004/AC:2006
Water-tightness	NPD	EN 14041 :2004/AC:2006

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4

Signed for and on behalf of the manufacturer by:

Luc Nelis, Production Manager

(name and function)

15.07.2015, Tielt

(place and date of issue)

(signature)