



The National BIM Library

BIM Object Guide: Pile Carpet Tiles

Interface[®]

Version 1.0

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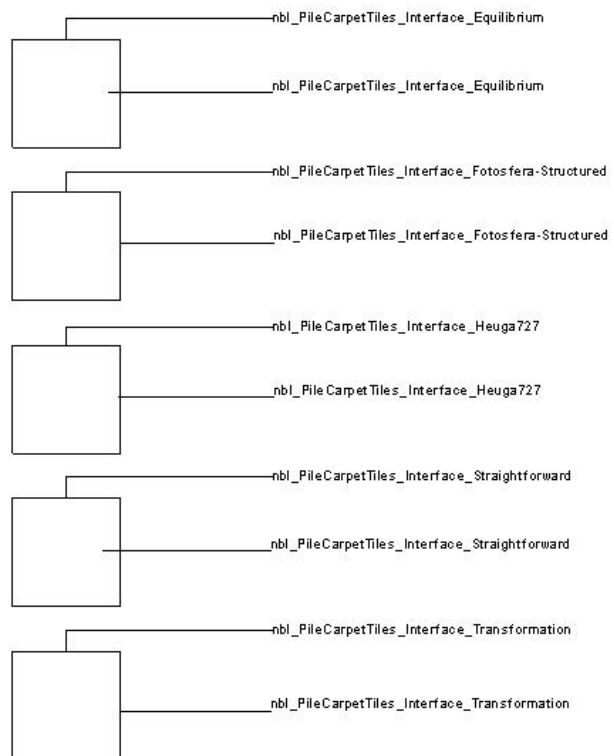
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1.0 Introduction

This guide covers the use of Interface Europe: Pile Carpet Tiles included within the National BIM Library.

Pile Carpet Tiles

Interface Europe Ltd Pile Carpet Tiles



All systems listed below are included in the following file: nbl_PileCrptTiles_Interface

- nbl_PileCarpetTiles_Interface_Equilibrium
- nbl_PileCarpetTiles_Interface_Fotosfera-Structured
- nbl_PileCarpetTiles_Interface_Heuga727
- nbl_PileCarpetTiles_Interface_Straightforward
- nbl_PileCarpetTiles_Interface_Transformation

1.1 Naming

National BIM Library objects are named to identify their type and configuration. Fields are segregated using an under bar (_) and information within each field is segregated using hyphens (-). Fields are abbreviated to reduce characters and capitals used at the start of each abbreviation to aid readability.

File name and objects are named as below:

File name

Field1 *Author_* **Field2** *Category_* **Field3** *Manufacturer_* **Field4** *Product Range*

Object

Field1 *Author_* **Field2** *Category* **Field3** *Manufacturer_* **Field4** *Product_* **Field5** *Differentiator*

2.0 Parameters

Parameters included in the Extensive Green Roof Systems BIM object are as follows:

2.1 National BIM Library Parameters

Author	The name of the BIM objects Author.
BIMObjectName	Name of the BIM object as it will appear in software. Using NBL naming procedure.
Description	The full description of a product or system.
Help	URL of a website where additional help notes are available.
IssueDate	The issue date of this BIM object.
ManufacturerURL	URL of the product or system manufacturer.
NBSDescription	NBS Uniclass title.
NBSNote	Where a second system which is related to the BIMObject can be described.
NBSReference	NBS Uniclass section/clause number.
NBSTypeID	A reference to the object for the user if one or more is used within the project.
Uniclass2	Uniclass2 code.
Version	The version number of the BIM object.

2.2 NBS Parameters

Category	BS EN 1307:2008 revised the classification scheme for pile carpets. Category Types 1 and 2 superseded the previous L, M and N categories. Thickness and weight determining the applicable category, Type 2 being assigned to thicker and heavier carpets and Type 1 to lighter, thinner carpets.
LevelofUseClass	BS EN 685 establishes a classification system that gives guidance on the properties and practical areas of use for resilient coverings.
LuxuryRatingClass	Luxury ratings for BS EN 13297 type 2 needled coverings Relationship between pile height, surface pile weight and tuft density.
RecycledContent	Proportion by mass of pre-consumer and post-consumer materials as defined in accordance with BS EN 771-1. Expressed as a [%].

2.3 Manufacturers Parameters

Backing	Material used for backing stated.
BREEAMRating	Product rating to BREEAM. BREEAM sets the standard for best practice in sustainable building design,
CastorChairRating	To BS EN 98 Textile floor coverings. Castor chair test
ColourOptions	Number of colour options available for the product
ColourFastnessLight	To BS EN ISO 105/B02. Resistance of the material's colour to fading or running
CoolCarpet	Carbon neutral service which cancels out all greenhouse gas emissions associated with a product.
DimensionalStability	To BS EN 986. Textile floor coverings. Tiles. Determination of dimensional changes due to the effects of varied water and heat conditions and distortion out of plane
HotMetalNut	To BS 4790 Method for determination of the effects of a small source of ignition on textile floor coverings (hot metal nut method)

MethodofLaying	Suggested laying method.
PileHeight	Height of pile expresses in[mm]
PileYarnWeight	Total weight of the Pile yarn. Expressed in [g/m ²].
ReEntryProgramme	ReEntry programme is converting fiber to fiber and backing to backing. Closing the carpet recycling loop. Description if re-entry is available option to apply with the tile or not.
TacTiles	Glue-free carpet tile installation with TacTiles. Description if TacTiles is available option to apply with the tile or not.
ThicknessOptions	Listed thickness options available for the product.
TotalWeight	Total weight of the Pile. Expressed in [g/m ²].
Tufts	These are carpets that have their pile injected into a backing material, which is itself then bonded to a secondary backing made of a woven hessian. Value expressed in Per m ²

2.4 IFC Parameters

Note: IFC definitions have been obtained from BuildingSmart IFC2x3 website (<http://buildingsmart-tech.org>).

AcousticRating	Acoustic rating for this object. It is giving according to the national building code. It indicates the sound transmission resistance of this object by an index ration (instead of providing full sound absorption values).
Combustible	Indication whether the object is made from combustible material (TRUE) or not (FALSE).
Finish	Finish selection for this object. Here specification of the surface finish for informational purposes.
FireRating	Fire rating for this object. It is given according to the national fire safety classification.
FlammabilityRating	Flammability Rating for this object. It is given according to the national building code that governs the rating of flammability for materials.
FragilityRating	Indication on the fragility of the covering (e.g., under fire conditions). It is given according to the national building code that might provide a classification for fragility.
HasAntiStaticSurface	Indication whether the surface finish is designed to prevent electrostatic charge (TRUE) or not (FALSE).
HasNonSkidSurface	Indication whether the surface finish is designed to prevent slippery (TRUE) or not (FALSE).
Material	Main material of the covering, it should only be given, if no IfcMaterial class is assigned to the IfcCovering instance.
SurfaceSpreadOfFlame	Indication on how the flames spread around the surface, It is given according to the national building code that governs the fire behaviour for materials.
TotalThickness	Thickness of the covering, The thickness information is provided in addition to the shape representation and the geometric parameters used within. In cases of inconsistency between the geometric parameters and the shape properties, provided in the attached property, the geometric parameters take precedence.

2.5 COBie Parameters

The following COBie parameters have been included within the Extensive Green Roof Systems BIM object and can be used to prepare COBie data schedules:

AccessibilityPerformance	Accessibility issue(s) which the product satisfies.
AssetIdentifier	The asset identifier assigned to an occurrence of a product (prior to handover).
BarCode	The identity of the bar code (or rfid) given to an occurrence of the product.
CodePerformance	Code Compliance requirement(s) which the product satisfies.
Colour	Characteristic or primary colour of product.
Constituents	Optional constituent features, parts or finishes.
Cost	Cost impact of replacement process.
Documentation	Location (Uniform Resource Information) for further product information.
DocumentReference	Location (Uniform Resource Information) for the source or updates to this product information.
Features	Features or other important characteristics relevant to product specification.
Grade	Standard grading(s) to which the product corresponds.
InstallationDate	The date that the manufactured item was installed.
LifeCyclePhase	Life Cycle Phase as defined in ISO 15978.
Manufacturer	The organization that manufactured or assembled the item.
MethodOfMeasurement	Method of measurement.
ModelLabel	The model number assigned by manufacturer.
ModelReference	The name used by the manufacturer.
NominalHeight	Nominal height of product, typically the vertical or secondary characteristic dimension.

NominalLength	Nominal length of product, typically the larger or primary horizontal dimension.
NominalWidth	Nominal width of product, typically the characteristic or secondary horizontal or characteristic dimension.
Process	Specification of process.
ProductionYear	The year of production for the manufactured item.
ReferenceStandard	Reference standard(s) to which the product is compliant.
ReplacementCost	An indicative cost for unit replacement.
SerialNumber	The serial number assigned to an occurrence of a product by the manufacturer.
ServiceLifeDuration	The length or duration of a service life.
ServiceLifeType	The typical service life that is quoted for an artefact under reference operating conditions.
Shape	Characteristic shape of product.
Size	Characteristic size of product.
SustainabilityPerformance	Sustainability issue(s) which the product satisfies.
TagNumber	The tag number assigned to an occurrence of a product.
WarrantyDescription	Description of the warranty.
WarrantyDurationLabour	Duration of labour warranty (years).
WarrantyDurationParts	Duration of parts warranty (years).
WarrantyGuarantorLabour	Organization acting as guarantor of labour warranty.
WarrantyGuarantorParts	Organization acting as guarantor of parts warranty.
WarrantyStartDate	The date on which the warranty commences.

3.0 Abbreviations

Crpt	Carpet
nbl	national BIM library