



The National BIM Library

BIM Object Guide: Resin Flooring Systems



Version 1.0

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www.nationalBIMlibrary.com

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1.0 Introduction

This guide covers the use of Sika Limited Resin Flooring Systems included within the National BIM Library.

Resin Flooring System

nbl_ResinFlooringSystem_SikaLimited_SikaDecoFloor
nbl_ResinFlooringSystem_SikaLimited_SikaDecoFloor

nbl_ResinFlooringSystem_SikaLimited_SikaDecoFlake
nbl_ResinFlooringSystem_SikaLimited_SikaDecoFlake

nbl_ResinFlooringSystem_SikaLimited_SikaDecoQuartz
nbl_ResinFlooringSystem_SikaLimited_SikaDecoQuartz

nbl_ResinFlooringSystem_SikaLimited_SikaCompactFloor
nbl_ResinFlooringSystem_SikaLimited_SikaCompactFloor

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Selection Guide

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All systems listed below are included in the following file:

nbl_RsnFlrgSym_SikaLimited

Sika®-DecoFloor

Sika®-DecoFlake

Sika®-DecoQuartz

Sika®-CompactFloor

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 Sika Limited Resin Flooring System BIM objects 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

LevellingScreed	Application of a levelling screed required due to contaminated existing surface which cannot be removed by cleaning or mechanical means.
MovementJointAttachment	Attachment method for the movement joint.
MovementJointType	Type of movement joint for the flooring system.

Primer	Indication if a primer is required.
Reinforcement	Required reinforcement to minimise potential problems.
ResinFlooring	Classification of resin flooring type in accordance with BS EN 8204-6.
ResinSkirtingsUpstands	Skirting and upstand detail.
SubstratePreperation	Preparation required to ensure adhesion of the resin flooring.
SubstrateTesting	Required testing before flooring application.
SurfaceTreatment	Additional surface treatment required.
SystemAccessories	Available accessories for the flooring system.

2.3 Manufacturers Parameters

BaseCoat	Base coat product.
ColourOptions	Available colour finishes.
FirstSealerCoat	Indication whether a first sealer coat is required.
PrimerOptions	Alternative primer options available.
Profile	Available surface finishes.
SealerCoat	Indication whether a sealer coat is required.
SecondSealerCoat	Indication whether a second sealer coat is required.
SuitableEnvironment	Typical areas of use.
TopCoat	Indication whether a top coat is required.
TopCoatOptions	Top coat finish options.

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.
Reference	Reference ID for this specified type in this project (e.g. type A-1).
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 Sika Limited Resin Flooring System BIM objects 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

Flrg	Flooring
nbl	national BIM library
Rsn	Resin
Sys	System