



## The National BIM Library

BIM Object Guide: ALUTRIX® 600



Version 2.0

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[www.nationalBIMlibrary.com](http://www.nationalBIMlibrary.com)

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## 1.0 Introduction

This guide covers the use of ALUTRIX® 600 included within the National BIM Library.

### ALUTRIX® 600



All products listed below are included in the following file:

nbl\_SelfAdhesiveBitumenSheets\_PDTSealingSystemsLtd\_ALUTRIX600

ALUTRIX® 600

## 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 ALUTRIX® 600 BIM object are as follows:

### 2.1 National BIM Library Parameters

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

### 2.2 NBS Parameters

<b>Certification</b>	Product approval and certification by an accredited organisation.
<b>Coating</b>	Most currently available self-adhesive sheets consist of a plastics film coated with a bitumen composition to promote adhesion to the substrate. E.g. Elastomeric modified bitumen.

## 2.3 Manufacturers Parameters

<b>ImpactResistance</b>	A description of how the product performs to Method A and B in BS EN 12691. Flexible sheets for waterproofing. Bitumen, plastic and rubber sheets for roof waterproofing. Determination of resistance to impact
<b>JointShearResistance</b>	A description of how the product performs to BS EN 12317-2. Flexible sheets for waterproofing. Determination of shear resistance of joints. Plastic and rubber sheets for roof waterproofing.
<b>LowTemperatureFolding</b>	A description of how the product performs to BS EN 495-5. Flexible sheets for waterproofing. Determination of fold ability at low temperature. Plastic and rubber sheets for roof waterproofing.
<b>MassPerUnitArea</b>	Determination of thickness and mass per unit area to BS EN 1849-2.
<b>RollLength</b>	Standard roll length measured in [m].
<b>RollWidth</b>	Standard roll width measured in [m].
<b>StaticLoadingResistance</b>	Determination of resistance to static loading to BS EN 12730.
<b>TearResistance</b>	Determination of resistance to tearing (nail shank) BS EN 12310-1.
<b>TensileStrength</b>	A description of how the product performs to BS EN 12311-2. Flexible sheets for waterproofing. Determination of tensile properties. Plastic and rubber sheets for roof waterproofing.
<b>Watertightness</b>	Determination of water tightness to BS EN 1928. Flexible sheets for waterproofing. Bitumen, plastic and rubber sheets for roof waterproofing. Determination of water tightness.
<b>WaterVapourPermeability</b>	A description of how the product performs to BS EN 771-4 requires manufacturers to declare a value for all external applications and where relevant for other elements.
<b>WaterVapourResistance</b>	Determination of water vapour transmission to BS EN ISO 12572.

## 2.4 IFC Parameters

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

<b>AcousticRating</b>	Acoustic rating for this object. It is given according to the national building code. It indicates the sound transmission resistance of this object by an index rating (instead of providing full sound absorption values).
<b>Combustible</b>	Indication whether the object is made from combustible material (TRUE) or not (FALSE).
<b>FireRating</b>	Fire rating for this object. It is given according to the national fire safety classification.
<b>Finish</b>	Finish selection for this object. Here specification of the surface finish for informational purposes.
<b>FlammabilityRating</b>	Flammability Rating for this object. It is given according to the national building code that governs the rating of flammability for materials.
<b>FragilityRating</b>	Flammability Rating for this object. It is given according to the national building code that governs the rating of flammability for materials.
<b>Material</b>	Main material of the covering, it should only be given, if no IfcMaterial class is assigned to the IfcCovering instance.
<b>Reference</b>	Reference ID for this specified type in this project (e.g. type A-1).
<b>SurfaceSpreadOfFlame</b>	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.
<b>TotalThickness</b>	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 ALUTRIX® 600 BIM object and can be used to prepare COBie data schedules:

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

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

### 3.0 Abbreviations

**nbl**                    national BIM library