



NBS

# NBS DOI Prototype

Robin Cordy

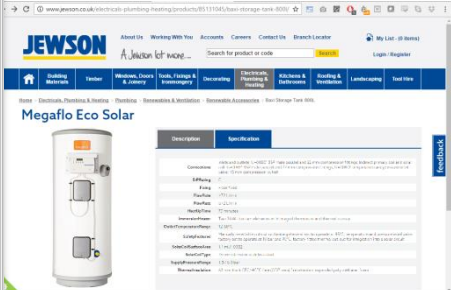
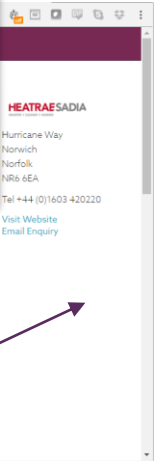
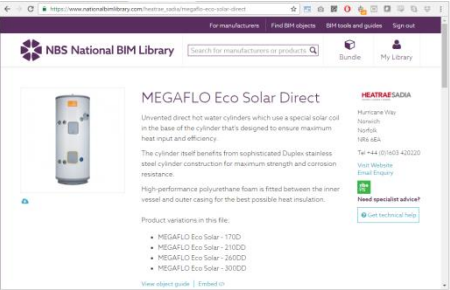
19/6/18



Innovate UK



# Digital object identifiers



Property	Value
CPI	10.18658/210DD
Product ID	7733600160
Product Name	Greenstar 271 System compact ErP
Product Description	Our higher output Greenstar 1 System boiler is part of that latest generation of smaller and lighter boilers. Suitable for small, medium and large homes, the boiler can also be fitted in a standard kitchen cupboard. This boiler can be used with our range of high efficiency Greenstore cylinders for a complete Worcester system solution for your home.
Product Status	Available
Connections	Indirect primary coil and solar coil. U+00BE" BSP male parallel and 22 mm compression fittings. U+00BD" temperature and pressure relief valve. 15 mm compression outlet
ErPRating	C
Fixing	Floor fixed
FlowRate	≤72 L/min
FlowRate	≤72 L/min
HeatUpTime	75 minutes
ImmerisionHeater	Two 3 kW titanium elements with integral thermostat and thermal cut-out
OutletTemperatureRange	12-68°C
SafetyFeatures	Manually resettable cut-out on heating element set to operate at 85°C, temperature and pressure relief valve factory set to operate at 10 bar and 90°C, factory-fitted thermal cut-out for integration into a solar circuit

Manufacturer	Model No.	CPI	Height (mm)	Width (mm)	Depth (mm)	Weight (kg)	Water Capacity (lit)
Heatraesadia	MEGAFLO Eco Solar	10.18658/210DD	800	600	600	35	170
	MEGAFLO Eco Solar		800	800	60	60	210
	MEGAFLO Eco Solar		800	800	75	75	260
	MEGAFLO Eco Solar - 300DD	10.18222/300DD	2000	900	900	90	300
worcestor bosch	MegaWarm2000	10.19355/MW2000	1800	850	850	65	170
	MegaWarm2300	10.12956/MW2300	1800	900	850	70	180

bs  
Inno UK  
cp Construction Products Association

10.18658/210DD

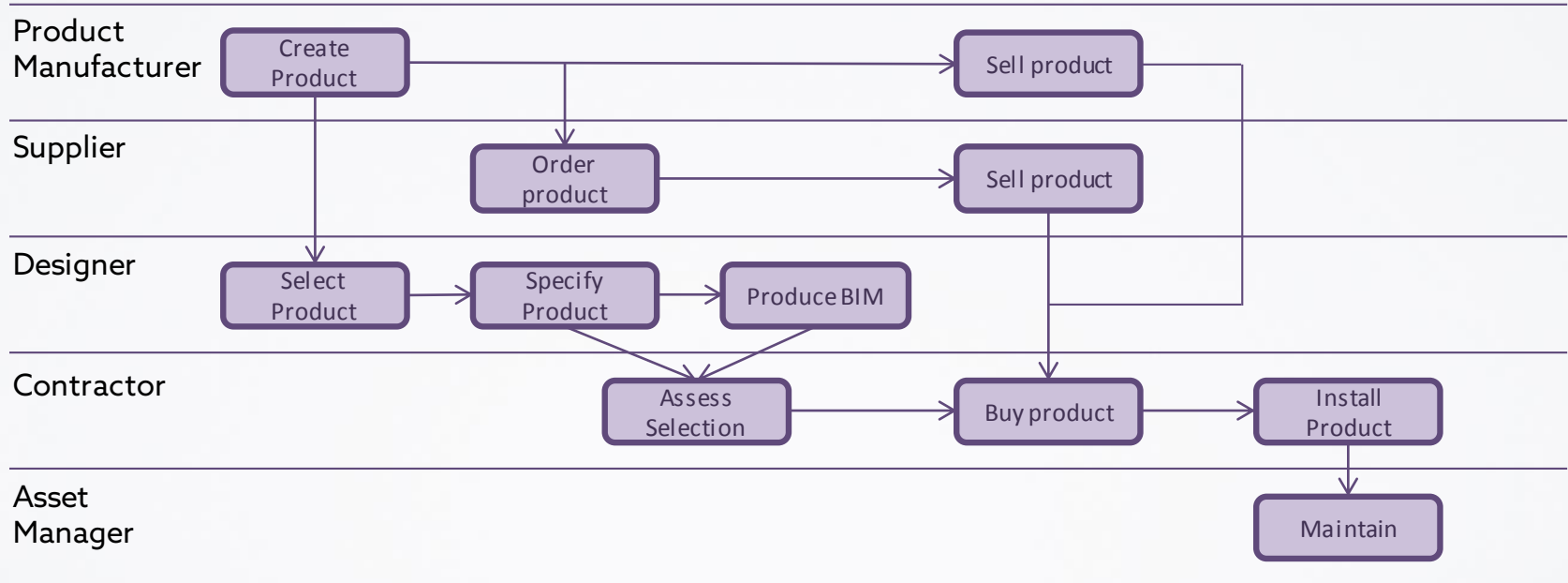


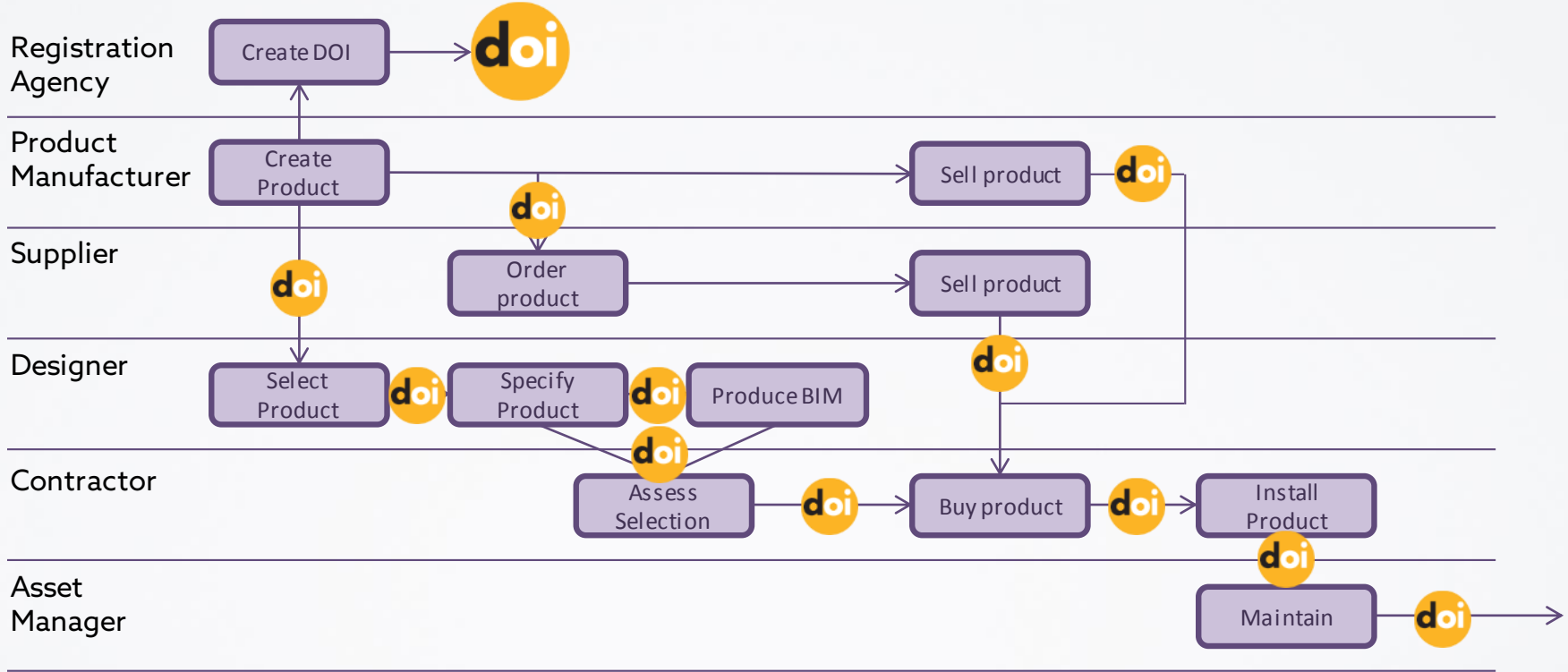
**bsi.**



Identification  
Persistence  
Associated Metadata









## Examples from elsewhere



[10.1136/bmj.j3418](https://doi.org/10.1136/bmj.j3418)



[10.3403/30314118U](https://doi.org/10.3403/30314118U)



[10.5240/0FBD-3652-8D1A-EFCF-2D72-G](https://doi.org/10.5240/0FBD-3652-8D1A-EFCF-2D72-G)



[10.1590/s1678-86212017000400203](https://doi.org/10.1590/s1678-86212017000400203)



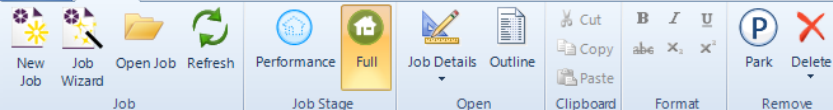
[10.1111/j.1467-9205.1987.tb00216.x](https://doi.org/10.1111/j.1467-9205.1987.tb00216.x)



NBS

In use





Contents

Title

- Project Definition
- WVC assembly
- Sanitary accessories

Each manufacturer product specified will display its DOI

- Sanitary fixtures fittings and equipment: Hand driers and Paper towel dispensers.
- Fixings and fasteners: Submit proposals.
- Sealing: Submit proposals.
- Execution: Installing sanitary accessories generally.
- System completion: Documentation.

Job details Contents

Resources

All resources

- 00 Project management
- 05 Districts, facilities and buildings
- 10 Preparatory systems
- 15 General structural systems
- 20 Roof, floor and paving systems
- 25 Wall and barrier systems
- 30 Stair, ramp, tunnel, shaft and vessel system
- 35 FF&E and general finishing systems
- 40 Flora and fauna systems
- 50 Disposal systems
- 55 Piped supply systems
- 60 Mechanical heating, cooling and refrigerat
- 65 Ventilation and air conditioning systems
- 70 Electrical systems
- 75 Communications, security, safety and prote

Systems: 2 Sections: 1 Up to date

## Products

## Hand driers

- Manufacturer: Dyson
- Product reference: AB14
- Colour/ Finish: Grey.
- DOI: <https://doi.org/10.5555.CPRS/D22R95T3>

## Paper towel dispensers

- Manufacturer: Dolphin Solutions
- Product reference: WP113P Dolphin Prestige Paper Towel Dispenser
- DOI: <https://doi.org/10.5555.CPRS/Z3TRBN7Z>

## Execution

## Installing sanitary accessories generally

- Fixtures:
  - Positions: As drawings.
  - Fixing: Secure, in accordance with manufacturer's

NBS Plus

Search NBS Plus

45 - 35 - 72 / 334

## Dyson Airblade dB Hand Dryer – AB14

from [Dyson](#)

Touch free operation, unheated air dries in just 10 seconds, literally scraping water from hands like a windscreen wiper. It's also hygienic, using a HEPA filter, cleaning the air (removing 99.9% of bacteria) before blowing it onto hands. Long life, 1600W, energy efficient Dyson digital motor spins at 90,000rpm with no carbon brushes to wear down. And because it uses up to 80% less energy than warm air hand driers it costs less to run. Robust and durable casing. Five year parts guarantee.



## The Clause

## Dyson Airblade dB Hand Dryer – AB14:

Product reference: AB14.  
Polycarbonate ABS, 661 x 303 x 247 mm.

Colour/

## NBS note

All NBS Plus and National BIM Library products will be given a DOI.

File Home Insert Review Office Master Update View Manage

Contractor Decision Manufacturers ABC Spelling Dictionary Empty Values Broken Links

External References Notes Reports Proof Reading

Documents Special Values

Contents

Title	Suffix	Classification
Project Definition	-	00-05-10
WC assembly	-	35-70-70
Sanitary accessories	-	35-70-70

Project Definition Sanitary accessories WC assembly

WC pans	
• Manufacturer:	Ide
• Product reference:	T3
• Finish:	WH
• DOI:	htt
• Execution:	Installing flushing WC assemblies.

When reporting on products specified, a DOI will be against each product

CIIDRA

35.176.238.130/#product/10.5555.CPRS/V6NNQST9

**CIIDRA**  
CONSTRUCTION INDUSTRY ID REGISTRATION AGENCY

You are viewing a product

## Tempo Wall Mounted WC Suite Available

CIIDRA: 10.5555.CPRS/V6NNQST9

Persistent link to this product page: <https://doi.org/10.5555.CPRS/V6NNQST9>

**Product description**  
Contemporary wall mounted WC suite. Option of standard or slow close toilet seat and cover.

**Brand Name**

Back To Wall WC Suite

from [Ideal Standard \(UK\) Ltd](#)

Tempo back to wall WC pan with horizontal outlet

- Domestic, hotel and commercial use
- Water efficient

NBS Guidance **NBS Plus**

Manufacturers

- D
  - [Dolphin Solutions](#)
    - [Paper towel dispensers](#)
  - [Dyson](#)
    - [Hand driers](#)
- I
  - [Ideal Standard \(UK\) Ltd](#)
    - [WC pans](#)

### NBS note

Functionality will be developed to check availability of products specified from linked DOI information.

# Audit trail example

The screenshot displays a software interface for managing a 'Carpet tile system'. It is divided into two main sections: 'Products' and 'Execution'.

**Products Section:**

- Manufacturer:** Desso Ltd
- Product reference:** Fields EcoBase™
- DOI:** <https://doi.org/10.5555.CPRS/PT43NDYW>
- Style:** Loop pile
- Material:** Polyester
- Classification:**
  - Standard: To BS EN 1307.
  - Third party accreditation:
  - Level of use class: To BS EN 1307, class 33.
  - Luxury rating class: LC2.
- Colour and pattern:** Grey
- Recycled content:** 50% (minimum) to BS EN ISO 14021.
- Size:**

**Execution Section:**

- Conditioning of flooring prior to laying**
  - Standards:** To BS 8203 and BS 5325.
  - General:**
    - Before laying: Condition materials by unpacking and separating in spaces where they are to be laid.
    - Resilient flooring rolls: Maintain in an upright position.
    - Carpet: Unroll and keep flat on a supporting surface.
  - Conditioning time and temperature (minimum):**
    - Generally: As recommended by manufacturer.
    - Materials stored or transported at a temperature below 10°C immediately before laying: Extend time by a factor of two.

**Product Details Panel (Right):**

Search NBS Plus  
45 - 20 - 15 / 380  
**Fields EcoBase™**  
from [Desso Ltd](#)  
A tufted 1/10" structured loop pile carpet tile. Manufactured from solution-dyed BCF polyamide 6 and ECONYL®.  
Features:

**Product reference:** Fields EcoBase™.  
**Colour/ Pattern:** [\_\_\_\_\_] Consult manufacturer and insert requirements.

[Add Product](#) [Add To Job](#)

[Features as standard](#)  
[Training](#)

**Callout Box:** A record specification is created once the installed product is known

# Audit trail example

**Compare Milestones**

Compare Milestones: 20-55-75/110 Carpet tile system

See the changes between different stages of the job by selecting 2 milestones and comparing them.

Compare: End of RIBA Stage 4 - Technical Design

With: End of RIBA Stage 6 - Handover and Close Out

Hide History

Code	Label	By	Date created	Notes	Size
-	Today	-	-		
06	End of RIBA Stage 6 - Handover and Close Out	SIJH	05/02/2018 09:13:19	As built record specification of all product decisions.	172.3 KB
04	End of RIBA Stage 4 - Technical Design	SIJH	05/02/2018 09:06:20	Contract specification for tender.	172 KB

Job created by SIJH on 15/01/2018 15:34:29

**A report can be generated that compares what was specified against what is proposed/was installed**

D2 : SL\_35\_80\_89 : Toilets

	A	B	C	D	E	F	G	H	I	J	K	L	M
	Name	CreatedBy	CreatedOn	Category	FloorName	Description	ExtSystem	ExtObject	ExtIdentifier	Room Tag	UsableHeight	GrossArea	NetArea
2	B01-Fe	stephen.hamil@thenbs.com	2017-11-22T15:22:04	SL_35_80_89 : Toilets	1								
3	B01-F	stephen.hamil@thenbs.com	2017-11-22T15:22:04	SL_35_80_89 : Toilets	B01								
4	B01-Fe	stephen.hamil@thenbs.com	2017-11-22T15:22:04	SL_35_80_89 : Toilets	B01								
5	B01-Ma	stephen.hamil@thenbs.com	2017-11-22T15:22:04	SL_35_80_89 : Toilets	B01								
6	B01-Ma	stephen.hamil@thenbs.com	2017-11-22T15:22:04	SL_35_80_89 : Toilets	B01								
7	B01-Acc	stephen.hamil@thenbs.com	2017-11-22T15:22:04	SL_35_80_89 : Toilets	B01								
8	B01-Fe	stephen.hamil@thenbs.com	2017-11-22T15:22:04	SL_35_80_89 : Toilets	B01								
9	00-Ma	stephen.hamil@thenbs.com	2017-11-22T15:22:04	SL_35_80_89 : Toilets	00								
10	00-Fe	stephen.hamil@thenbs.com	2017-11-22T15:22:04	SL_35_80_89 : Toilets	00								
11	00-Acc	stephen.hamil@thenbs.com	2017-11-22T15:22:04	SL_35_80_89 : Toilets	00								
12	00-Sh	stephen.hamil@thenbs.com	2017-11-22T15:22:04	SL_35_80_89 : Toilets	00								
13	Me-Sh	stephen.hamil@thenbs.com	2017-11-22T15:22:04	SL_35_80_89 : Toilets	Me								
14	Me-Ma	stephen.hamil@thenbs.com	2017-11-22T15:22:04	SL_35_80_89 : Toilets	Me								
15	Me-Ma	stephen.hamil@thenbs.com	2017-11-22T15:22:04	SL_35_80_89 : Toilets	Me								
16	Me-Fe	stephen.hamil@thenbs.com	2017-11-22T15:22:04	SL_35_80_89 : Toilets	Me								
17	Me-Fe	stephen.hamil@thenbs.com	2017-11-22T15:22:04	SL_35_80_89 : Toilets	Me								
18	UMe-Ma	stephen.hamil@thenbs.com	2017-11-22T15:22:04	SL_35_80_89 : Toilets	Ume								
19	UMe-Fe	stephen.hamil@thenbs.com	2017-11-22T15:22:04	SL_35_80_89 : Toilets	Ume								
20	UMe-Fe	stephen.hamil@thenbs.com	2017-11-22T15:22:04	SL_35_80_89 : Toilets	Ume								
21	01-Acc	stephen.hamil@thenbs.com	2017-11-22T15:22:04	SL_35_80_89 : Toilets	01								
22	01-Fe	stephen.hamil@thenbs.com	2017-11-22T15:22:04	SL_35_80_89 : Toilets	01								
23	01-Ma	stephen.hamil@thenbs.com	2017-11-22T15:22:04	SL_35_80_89 : Toilets	01								
24	01-Sh	stephen.hamil@thenbs.com	2017-11-22T15:22:04	SL_35_80_89 : Toilets	01								
25	02-Sh	stephen.hamil@thenbs.com	2017-11-22T15:22:04	SL_35_80_89 : Toilets	02								
26	02-Acc	stephen.hamil@thenbs.com	2017-11-22T15:22:04	SL_35_80_89 : Toilets	02								
27	03-Acc	stephen.hamil@thenbs.com	2017-11-22T15:22:04	SL_35_80_89 : Toilets	03								
28	03-Acc	stephen.hamil@thenbs.com	2017-11-22T15:22:04	SL_35_80_89 : Toilets	03								
29	03-Sh	stephen.hamil@thenbs.com	2017-11-22T15:22:04	SL_35_80_89 : Toilets	03								
30													

COBie is the mandated open-data schema for information exchange for UK level-2 BIM

	A	B	C	D	E	F	G	H	I	J	K
1	Name	CreatedBy	CreatedOn	Category	Description	AssetType	Manufacturer	ModelNumber	DOI	WarrantyGuarantorParts	WarrantyDurationParts
2	WC pans	stephen.h	2017-11-22T15	Pr_40_20_93_94 : WC pans	WC pans	FIXED	ukcustcare@idealstandard	T3279 - Tempo Back To Wall	<a href="https://doi.org/10.5555.CPRS/V6NNQST9">https://doi.org/10.5555.CPRS/V6NNQST9</a>		
3	Paper towel disp	stephen.h	2017-11-22T15	Pr_40_70_22_62 : Paper towel dispensers	Paper towel dispensers	FIXED	info@dolphinsolutions.co	WP113P Dolphin Prestige Pa	<a href="https://doi.org/10.5555.CPRS/Z3RTBN7Z">https://doi.org/10.5555.CPRS/Z3RTBN7Z</a>		
4	Hand driers	stephen.h	2017-11-22T15	Pr_40_70_62_37 : Hand driers	Hand driers	FIXED	specification@dyson.com	AB14	<a href="https://doi.org/10.5555.CPRS/D22R95T3">https://doi.org/10.5555.CPRS/D22R95T3</a>		
5											
6											
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16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
26											

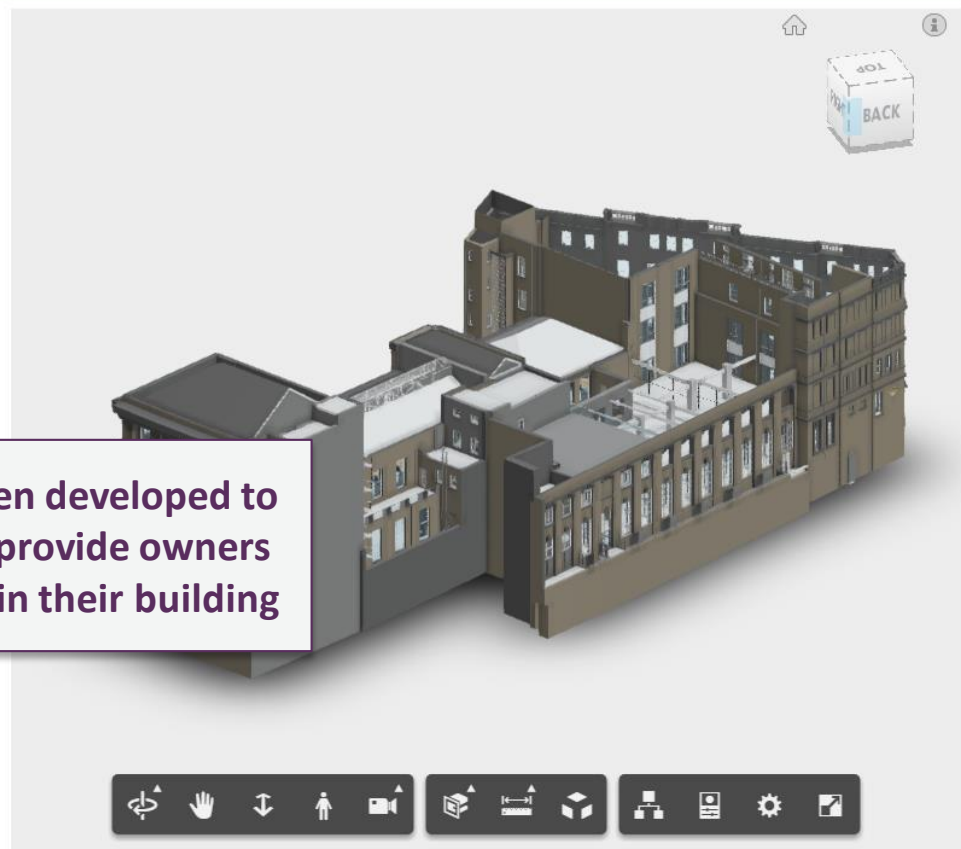
When information is exchanged,  
the product types can be  
checked for DOI attribute



# Maintenance items

Select from the items below to view these in the building and access related information.

- Hand driers (14 instances)
  - Toilet paper dispensers (29 instances)
  - WCs (2 instances)
- DOI = <https://doi.org/10.5555.CPRS/D22R95T3>



# Information panel

Related information will appear here

**A simple website has been developed to illustrate how DOIs can provide owners with a record of what is in their building**



# Maintenance items

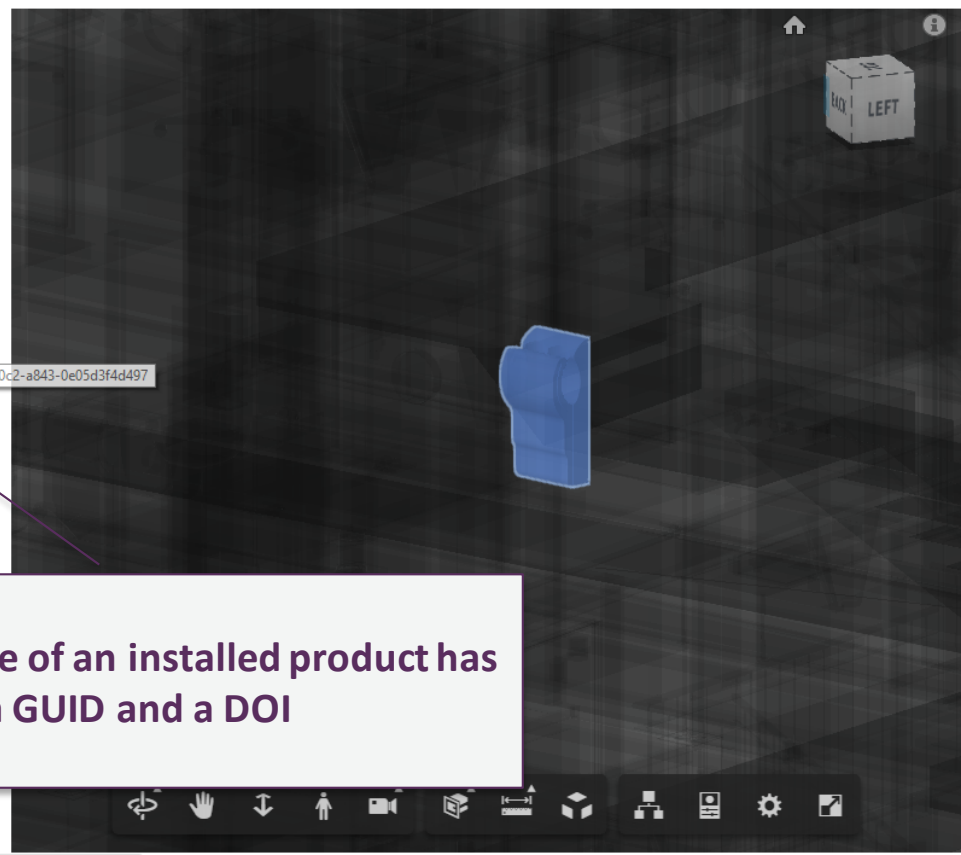
Select from the items below to view these in the building and access related information.

## Hand driers (14 instances)

Instance	Parent space	Instance	Parent space
HD-01	B01-Fe	HD-08	Me-Fe
HD-02	B01-Ma	HD-09	UMe-Fe
HD-03	00-Ma	HD-10	01-Fe
HD-04	00-Fe	HD-11	01-Ma
HD-05	00-Sh	HD-12	01-Sh
HD-06	Me-Sh	HD-13	02-Sh
HD-07	Me-Ma	HD-14	03-Sh

## Toilet paper dispensers (29 instances)

## WCs (2 instances)



**Each instance of an installed product has a GUID and a DOI**

# Information panel

Information from inside the object:

Attribute	Value
SerialNumber	8294df19-fe9d-40c2-a843-0e05d3f4d497
Manufacturer	<a href="mailto:specification@dysonairblade.co.uk">specification@dysonairblade.co.uk</a>
BIMObjectName	NBS_Dyson_HandDriers_Dyson AirbladedB-AB14
Uniclass2015Code	Pr_40_70_62_37
Uniclass2015Title	Hand driers
DOI	<a href="https://doi.org/10.5555.CPRS/D22R95T3">https://doi.org/10.5555.CPRS/D22R95T3</a>

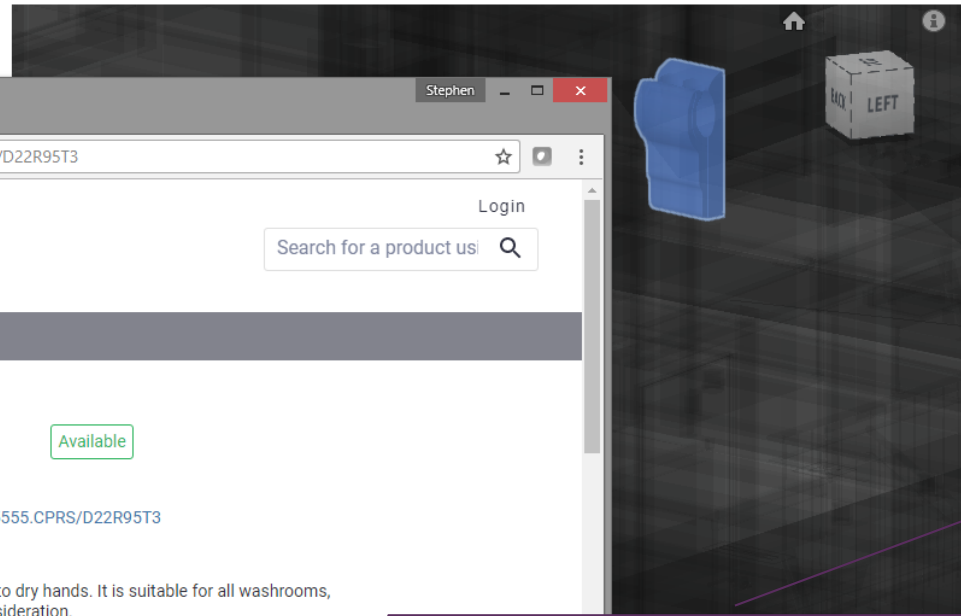
Standardised objects from **NBS National BIM Library**

Get latest info from CIIDRA





# Maintenance items



# Information panel

CIIDRA

35.176.238.130/#product/10.5555.CPRS/D22R95T3

**CIIDRA**  
CONSTRUCTION INDUSTRY ID REGISTRATION AGENCY

Login

Search for a product us

You are viewing a product

**Dyson Airblade dB** Available

CIIDRA: 10.5555.CPRS/D22R95T3

Persistent link to this product page: <https://doi.org/10.5555.CPRS/D22R95T3>

**Product description**  
The Dyson Airblade dB hand dryer is the fastest way to dry hands. It is suitable for all washrooms, particularly where sound levels are an important consideration.

**Brand Name**  
Dyson

**Group ID**  
Dyson Airblade dB hand dryer, Dyson hand dryer

**Distinguishing Features**  
Rated power: 1600 W; Colour: grey

**Uniclass**  
Pr\_40\_70\_62\_37 : Hand driers

Information from inside the object:

Attribute	Value
SerialNumber	8294df19-fe9d-40c2-a843-0e05d3f4d497
Manufacturer	<a href="mailto:specification@dysonairblade.co.uk">specification@dysonairblade.co.uk</a>
BIMObjectName	NBS_Dyson_HandDriers_Dyson AirbladedB-AB14
Uniclass2015Code	Pr_40_70_62_37
Uniclass2015Title	Hand driers
DOI	<a href="https://doi.org/10.5555.CPRS/D22R95T3">https://doi.org/10.5555.CPRS/D22R95T3</a>
Standardised objects from <b>NBS National BIM Library</b>	

Get latest info from CIIDRA

**Clicking the DOI link takes the user to the CIIDRA website**



## Maintenance items

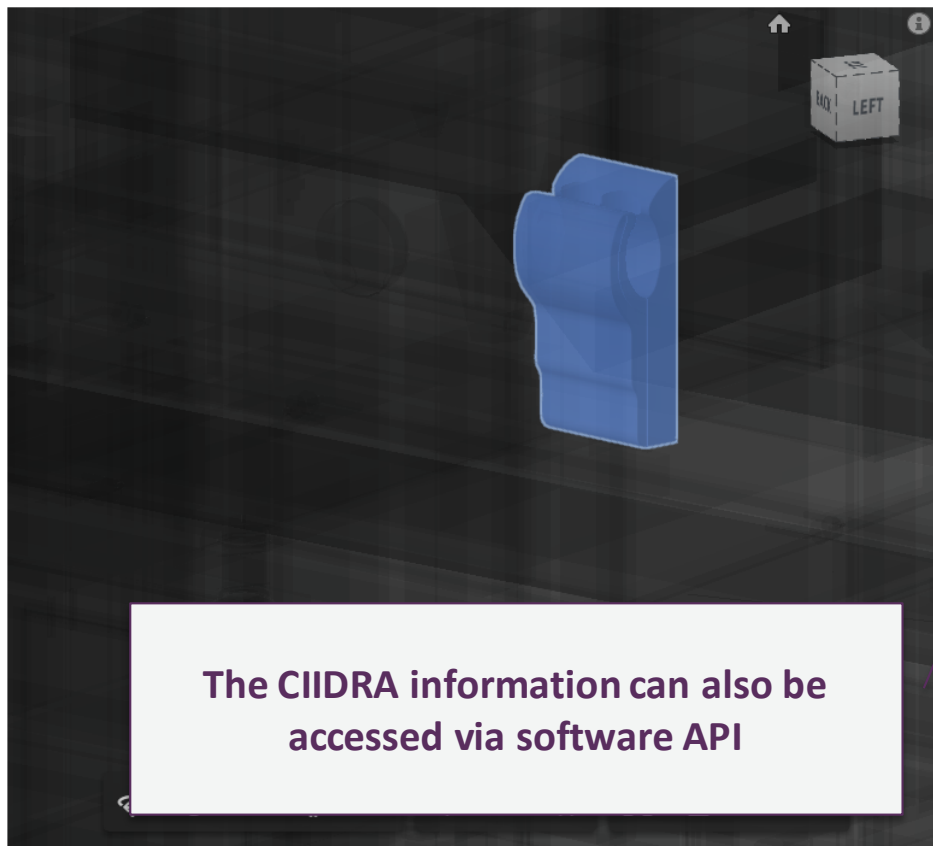
Select from the items below to view these in the building and access related information.

### Hand driers (14 instances)

Instance	Parent space	Instance	Parent space
HD-01	B01-Fe	HD-08	Me-Fe
HD-02	B01-Ma	HD-09	UMe-Fe
HD-03	00-Ma	HD-10	01-Fe
HD-04	00-Fe	HD-11	01-Ma
HD-05	00-Sh	HD-12	01-Sh
HD-06	Me-Sh	HD-13	02-Sh
HD-07	Me-Ma	HD-14	03-Sh

### Toilet paper dispensers (29 instances)


### WCs (2 instances)



## Information panel

Information from inside the object:

Attribute	Value
SerialNumber	8294df19-fe9d-40c2-a843-0e05d3f4d497
Manufacturer	<a href="mailto:specification@dysonairblade.co.uk">specification@dysonairblade.co.uk</a>
BIMObjectName	NBS_Dyson_HandDriers_Dyson AirbladedB-AB14
Uniclass2015Code	Pr_40_70_62_37
Uniclass2015Title	Hand driers
DOI	<a href="https://doi.org/10.5555.CPRS/D22R95T3">https://doi.org/10.5555.CPRS/D22R95T3</a>

Standardised objects from **NBS National BIM Library** 

Get latest info from CIIDRA

Attribute	Value
Brand name	Dyson
Name	Dyson Airblade dB
Availability	Available
Description	The Dyson Airblade dB hand drier is the fastest way to dry hands. It is suitable for all washrooms, particularly where sound levels are an important considera

Dyson Airblade dB - NBS

Secure | <https://www.nationalbimlibrary.com/d...>

NBS National BIM Library

Search...

Home / All categories / Sanitary accessories / Hand driers



Dyson

The Dyson the fastest suitable for particularly an importa

View object Contact Man



Tags: +

Platform

AECOSim

ARCHICAD

IFC

Revit

Download

Dyson dB\_TechSpec.pdf

Secure | <https://www.dyson.co.uk/content/dam/dyson/for-business/resource-library/pdfs/...>

1 / 2

Dyson dB\_TechSpec.pdf

# dyson airblade dB

## TECHNICAL SPECIFICATION

AB 14

REAR ELEVATION

SIDE ELEVATION

Mounting Bracket (including

Related information from sources such as NBS, BSI and the manufacturer will be linked to

## Information panel

Information from inside the object:

Attribute	Value
SerialNumber	8294df19-fe9d-40c2-a843-0e05d3f4d497
Manufacturer	<a href="mailto:specification@dysonairblade.co.uk">specification@dysonairblade.co.uk</a>
BIMObjectName	NBS_Dyson_HandDriers_Dyson AirbladedB-AB14
Uniclass2015Code	Pr_40_70_62_37
15Title	Hand driers
	<a href="https://doi.org/10.5555.CPRS/D22R95T3">https://doi.org/10.5555.CPRS/D22R95T3</a>
	ed objects from NBS National

Info from CIIDRA

Description	The Dyson Airblade dB hand drier is the fastest way to dry hands. It is suitable for all washrooms, particularly where sound levels are an important consideration.
Dist. features	Rated power: 1600 W; Colour: grey
BIM Object	<a href="https://www.nationalbimlibrary.com/dyson/dyson-airblade-db">https://www.nationalbimlibrary.com/dyson/dyson-airblade-db</a>

Embedded in physical objects





NBS

Questions?