ASSET DATA DICTIONARY DEFINITION DOCUMENT (AD4)
L7841 - THERMAL INSULATION AND LININGS

Learning Legacy Document

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1 Introduction

1.1 Asset Details

Class Code:	L7841
Class Name:	Thermal insulation and linings
Class Lineage:	Construction Products>Services>General purpose and ancillary services products>Proofings/insulation/tape for services>Thermal insulation and linings

1.2 Description

A thermal insulation is a material providing high resistance to heat flow, while a lining is a material used to protect inner surfaces, as of tunnels, pipes, or process equipment.

1.3 Related Functions

All information on the configuration of asset classes (L-Class) to functions is contained within the latest revision of the Asset Data Dictionary Master Configuration document (eB ref: CRL1-XRL-Z3-ADDSD-CR001-50186)

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2 Asset Tag Identification Rules

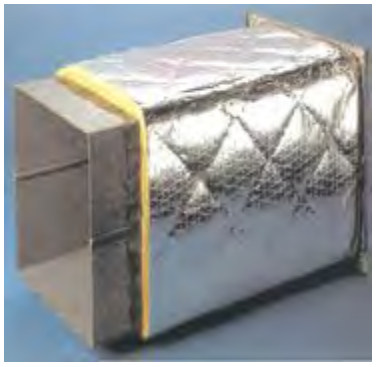
Assets will be identified as required by the Asset Identification Standard (CRL1-XRL-O6-STD-CR001-00031) in the following format:

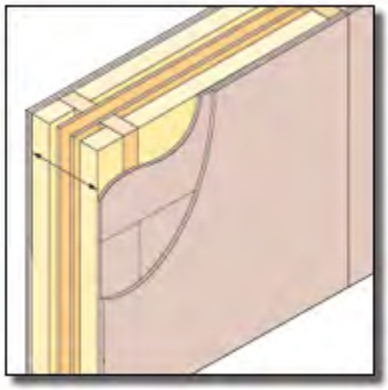
<LCS Code>-<Function Code>-<Incremental number to ensure uniqueness>

e.g. CR076-BAF-12345

Information and guidance on the standard naming convention for all asset classes is contained within the latest revision of the Asset Naming Convention Document (eB ref: CRL1-XR1-Z3-ADDSD-CR001-50413).

2.1 Example Images





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3 Attributes

3.1 Generic Attributes

All Classes of assets will have a set of Generic Attributes for which data is collected without exception. Full details relating to these assets can be found at:

AD4 – Generic Attributes CRL1-XRL-Z3-ADDSD-CR001-50069

3.2 Class Specific Attributes

Below is a table of the further specific attributes which are associated with this asset class.

Attribute Name	Base Unit or Formula	Value Type (See Below)	Decimal Places (nu Only)	Defined Values List (pd only)	Description
Area (Square Metres)	Square Metres	NU	2		The total area covered by the insulation
Density (Kg/m3)	Kg/m3	NU	2		The density of the insulation
Fire Rating (Degrees Celsius)	Degrees Celsius	NU	0		The fire rating in degrees centigrade
Fire Rating		PD		30 60	The fire rating in minutes
Thermal Conductivity (W/m2K)	W/m2K	NU	2		The thermal conductivity of the material
Thickness (Millimetres)	Millimetres	NU	0		The thickness if the insulation

pd = Predefined List (Listed Values Only)
nu = Numeric (dp and number format can be stipulated)
ch = Free text (Max 255 Characters)
da = Date (dd-mm-yyyy)
me = Memo (Free text 1GB Limit)

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4 Performance Data

This section is to be used to specify the performance data to be gathered from this Class of asset when in operation. To be populated once the performance measures have been agreed with the Infrastructure Managers.

5 Labelling

Information and guidance on the standard labelling convention for all asset classes is contained within the latest revision of the Asset Naming and Labelling Convention Document (eB ref: CRL1-XR1-Z3-ADDSD-CR001-50413).

6 Other Information

Not Applicable

7 Reference Material

- Asset Data Dictionary Master Configuration - CRL1-XRL-Z3-ADDSD-CR001-50186
- Asset Identification Standard - CRL1-XRL-O6-STD-CR001-00031
- AD4 – Generic Attributes - CRL1-XRL-Z3-ADDSD-CR001-50069
- Asset Naming Convention Document - CRL1-XR1-Z3-ADDSD-CR001-50413

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8 Crossrail Technical Approvals

Name	Role	Date
[redacted]	Lead Mechanical & Electrical Plant (MEP) Engineer	19-Sep-2014

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