

1. BASIC DATA

Document data

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Changes relates to:

Kooltherm Pipe Insulation

Article name:

Kooltherm Pipe Insulation

Article No/ID concept

Article identity: VAT-NAME

BE0876525355-KoolthermPipeInsulation

Product group/Product group classification

| Product group system | Product group id |
|----------------------|------------------|
| BK04 | 01399 |
| BSAB96 | R |

Article description:

Kingspan Kooltherm Pipe Insulation is a high performance thermal insulation for pipe systems. The product has a vapour tight facing on the outside.

Declarations of performance:

Yes

Declaration of performance number:

1065.CPR.2013.KoolthermFM.001

Other information:

Kingspan Insulation NV

Company name:

Kingspan Insulation NV

Organisation number:

0876525355

Address:

Visbeekstraat 24, B 2300 Turnout

Contact person:

Peter Huyskens

E-mail:

peter.huyskens@Kingspan.com

Telephone:

+32 14 800 850

VAT number:

BE0876525355

Website:

www.Kingspaninsulation.com

GLN:

DUNS:

Environmental certification system

☒ BREEAM ☐ BREEAM-SE ☐ LEED 2009 ☐ LEED version 4 ☐ Miljöbyggnad (Swedish certification)

References

Reference

BREEAM Technical Bulletin Aug16.pdf

Annexes

Annex

https://az750602.vo.msecnd.net/netxstoreviews/assetOriginal/40634_BREEAM%20Technical%20Bulletin%20August%202016.pdf

2. SUSTAINABILITY WORK

Company's certification

☒ ISO 9001 ☒ ISO 14001

Other:

ISO 50001, OHSAS 18001, BES 6001

Policies and guidelines

☒ The company has a code of conduct/policy/guidelines for dealing with social responsibility in the supplier chain, including procedures for ensuring the requirements

☒ This is third-party audited

If yes, which of the following guidelines have you affiliated to or management system you have implemented

☒ UN guiding principles for companies and human rights

☒ ILO's eight core conventions

☒ OECD Guidelines for Multinational Enterprises

☒ UN Global Compact

☐ ISO 26000

Other policy guidelines

Divisional IMS Policy

Management system

If you have a management system for corporate social responsibility, what out of the following is included in the work?

☒ Mapping

☒ Risk analysis



Action plan



Monitoring

Sustainability reporting guidelines:

CSR management system, GRI-G3

3. DECLARATION OF CONTENTS

Chemical content

Enter chemical content for the whole article. The concentration is calculated at component level according to the principle of "once an article always an article".

Is there a safety data sheet for the article?

Yes

Enter which version of the candidate list has been used (Year, month, day)

2019-02-04

The article is covered by the RoHS Directive:

No

Enter how large a proportion of the material content has been declared [%]:

100

If the article contains nanomaterials deliberately added to obtain a particular function, enter these here:

Is there classification of the article?

Yes

For complex products, the concentration of included substances has been calculated at:

whole construction product

Enter the weight of the article:

37 kg/m3

Is the article registered in Basta?

No

Other information:

Enter the proportion of volatile organic substances [g/litre], applies only to sealants, paints, varnishes and adhesives:

Article and/or sub-components

| Phase | Delivery |
|-----------------------|----------|
| Component | Facer |
| Weight% of product<20 | |

Comment

Dust and fibers may cause temporary skin and mucous membranes itching due to the mechanical abrasion effect of fibers. The symptoms disappear when the exposure ceases. Mechanical abrasion is not considered as a health hazard in the meaning of Regulation (EC) 1272/2008. Continuous filament glass fibers are not classified as irritant under the regulation (EC) 1272/2008.

| Material | Substance | Concentration interval (%) | EG/CAS/Alternative designation | Candidate list | Phasing-out substance |
|------------|-----------|----------------------------|--------------------------------|--------------------------|--------------------------|
| aluminium | aluminium | <75 | 7429-90-5 | <input type="checkbox"/> | <input type="checkbox"/> |
| Glassfiber | | <30 | | <input type="checkbox"/> | <input type="checkbox"/> |

| CAS | H-phrased | Exposure |
|-----------|---------------------|----------|
| 7429-90-5 | H228 - Flam. Sol. 1 | |

| Component | Insulation foam | | Weight% of product>80 | | |
|----------------|---------------------|----------------------------|--------------------------------|--------------------------|--------------------------|
| Comment | | | | | |
| Material | Substance | Concentration interval (%) | EG/CAS/Alternative designation | Candidate list | Phasing-out substance |
| Blowing agent | Isopropyl chloride | <5 | 75-29-6 | <input type="checkbox"/> | <input type="checkbox"/> |
| Phenolic resin | Phenolic resin | 60<x<85 | 937-493-5 | <input type="checkbox"/> | <input type="checkbox"/> |
| Water | Dihydrogen oxide | <8 | 7732-18-5 | <input type="checkbox"/> | <input type="checkbox"/> |
| CAS | H-phrase | Exposure | | | |
| 75-29-6 | H225 - Flam. Liq. 2 | | | | |
| 75-29-6 | H302 - Acute Tox. 4 | | | | |
| 75-29-6 | H312 - Acute Tox. 4 | | | | |
| 75-29-6 | H332 - Acute Tox. 4 | | | | |

4. RAW MATERIALS

Raw materials

Total recycled material in the article

| | |
|--------------------------|---|
| <input type="checkbox"/> | Is recycled material included in the article? |
|--------------------------|---|

Renewable material

Enter proportion of renewable material in the article (short cycle, less than 10 years):

Enter proportion of renewable material in the article (long cycle, more than 10 years):

☐ Included biobased raw material is tested according to ASTM test method D6866:

Is there supporting documentation for the raw materials for third-party certified system for control of origin, raw material extraction, manufacturing or recycling processes or similar (for example BES 6001:2008, EMS certificate, USGBC Program)? If yes, enter system(s):

Wood raw materials

☐ Wood raw materials are included

☐ Included wood raw material is certified

How large a proportion is certified [%]?

What certification system has been used (for example FSC, CSA, SFI with CoC, PEFC)?

Reference number:

Enter logging country for the wood raw material and that following criteria have been met. Country of logging:

☐ Does not contain type of wood or origin in CITES appendix of endangered species

☐ The timber has been logged legally and there is certification for this

5. ENVIRONMENTAL IMPACT

Environmental impact during life cycle of the article, production phase module A1-A3 under EN

☐ Has environmental product declaration been drawn up according to EN 15804 or ISO 14025 for the article?

These product-specific rules, known as PCR, have been applied:

Registration number / ID number for EPD:

Climate impact (GWP100) [kg CO₂-eq]:

Ozone depletion (ODP) [kg CFC 11-eq]:

Acidification (AP) [kg SO₂-eq]:

Ground-level ozone (POCP) [kg ethene-eq]:

Eutrophication (EP) [kg (PO₄)-3-eq]:

Renewable energy [MJ]:

Non-renewable energy [MJ]:

If calculation has been made in Green Guide, enter which rating:

If there is environmental product declaration or other life cycle assessment, describe how the environmental impact of the article is taken into account from a life cycle perspective:

6. DISTRIBUTION

Distribution of finished article

Does the supplier use Retursystem Byggpall?

Not applicable

Does the supplier take back packaging for the article?

No

If yes, which packaging and which system?

Does the supplier apply any system with multiple-use packaging for the article?

Not applicable

Is the supplier affiliated to a system for product responsibility for packaging?

No

Other information:

Wood in pallets are certified according to PEFC ST 2002:2013

7. CONSTRUCTION PHASE

Construction phase

Does the article make special requirements in storage?

Yes

Specify

The packaging of polyethene, used for products from Kingspan, is recyclable. The insulation should be stored indoors or outdoors under a roof. The package is not intended for long-term storage outdoors. However, if stored outdoors it should be stacked with a distance from the ground and covered with polyethylene film or a weatherproof tarpaulin.

Does the article make special requirements for surrounding building products?

No

Specify

Other information:

8. USE PHASE

Use phase

Does the article make requirements for input materials for operation and maintenance?

No

Specify:

Does the article require supply of energy during operation?

No

Specify:

Estimated technical service life for the article:

25 years

Comment:

Is there energy labelling under the Energy Labelling Directive (2010/30/EU) for the article?

Not applicable

If yes, enter labelling (G to A, A+, A++, A+++):

Other information:

9. DEMOLITION

Demolition

Is the article prepared for disassembly (dismantling)?

Not applicable

Specify:

Does the article require special measures for protection of health and environment in demolition/disassembly?

Yes

Specify:

When demolition/disassembly always use personal protection equipment (helmet, glasses, ear protection, mouth mask, gloves, safety shoes and fully cov

Other information:

10. WASTE MANAGEMENT

Delivered article

Is the supplied article covered by the Ordinance (2014:1075) on producer responsibility for electrical and electronic products when it becomes waste?

No

Is reuse possible for the whole or parts of the article when it becomes waste?

Yes

Specify:

Undamaged it may be reused as insulation, if damaged it can be used at Powerplants.

Is material recovery possible for the whole or parts of the article when it becomes waste?

Not applicable

Specify:

Is energy recovery possible for the whole or parts of the article when it becomes waste?

Yes

Specify:

Incineration for energy recovery is possible at power plants.

Does the supplier have restrictions and recommendation for re-use, material or energy recovery or landfilling?

Yes

Specify:

Recommendation of reusing when possible and otherwise energy recovery

Waste code for the delivered article when it becomes waste

1702 - 02 Trä, glas och plast:

When the supplied article becomes waste, is it classified as hazardous waste?

No

Mounted article

Is the mounted article classified as hazardous waste?

No

Other information

11. INDOOR ENVIRONMENT

Indoor environment

| | |
|--------------------------|--|
| <input type="checkbox"/> | The article is not intended for indoor use |
| <input type="checkbox"/> | The article does not produce any emissions |
| <input type="checkbox"/> | Emissions from the article not measured |

Does the article have a critical moisture state?

Yes

If yes, state what:

According to BBR RH=75% (Critical RH is 90-95% but requires a very clean building environment)

Noise

Can the article give rise to own noise?

No

Value:

Unit:

Measuring method:

Electrical field

Can the article give rise to electrical fields?

No

Value:

Unit:

Measuring method:

Magnetic fields

Can the article give rise to magnetic fields?

No

Value:

Unit:

Measuring method:

Paints and varnishes

| | |
|--------------------------|---|
| <input type="checkbox"/> | The article is resistant to fungi and algae in use in wet areas |
|--------------------------|---|

Emissions

The article produces the following emissions in intended use:

| | |
|-----------------------------------|----------------------------|
| Type of emission: | |
| TVOC | |
| Measuring point 1: | |
| Measuring method/standard: | |
| agBB, DIBt, ISO16000 | |
| Result: | Measuring interval: |
| <7 µg/m2h | 28 days |
| Measuring point 2: | |
| Measuring method/standard: | |
| | |
| Result: | Measuring interval: |
| | |

Other information