

Déclaration des performances DOP N° MECA001/8792BW45 (VERSION 27/12/2016)

1. Code d'identification unique du produit type :

MECAWOOL

2. Numéro de type dtype, de lot ou de série ou tout autre élément permettant l'identification du produit de construction, conformément à l'article 11, paragraphe 4 :

MECAWOOL (voir étiquette produit)

3. Usage ou usages prévus du produit de construction, conformément à la spécification technique harmonisée applicable, comme prévu par le fabricant :

Isolation Thermique des bâtiments (THIB)

4. Nom, raison sociale ou adresse déposée et adresse de contact du fabricant, conformément à l'article 11, paragraphe 5 :

Iso2 INDUSTRIE BVBA
Pitantiestraat 121
8792 Dessselgem 8792
Belgique

5. Le cas échéant, nom et adresse de contact du mandataire dont le mandat couvre les tâches visées à l'article 12, paragraphe 2 :

Non applicable.

6. Le ou les systèmes d'évaluation et de vérification de la constance des performances du produit de construction, conformément à l'annexe V :

AVCP Système 1 pour la réaction au feu.
AVCP Système 3 pour les autres caractéristiques.

7. Dans le cas de la déclaration des performances concernant un produit de construction couvert par une norme harmonisée :

L'Acermi (organisme notifié n°1163) a réalisé une détermination de produit type sur la base d'essais de type, une inspection initiale de l'établissement de fabrication et du contrôle de la production en usine, une surveillance, une évaluation et une appréciation permanente du contrôle de la production en usine, selon le type 1 pour la réaction au feu.

Il a délivré le certificat de constance des performances.

Le CSTB (Organisme Notifié N°0679) a réalisé une détermination du produit type sur la base d'essais de type, selon le système 3 pour les autres caractéristiques.

Ils ont délivré les rapports d'essais correspondants.

8. Dans le cas de la déclaration des performances concernant un produit de construction pour lequel une évaluation technique européenne a été délivrée :

Non applicable.

9 Performances Déclarées :

Caractéristiques essentielles		Performances		Spécifications techniques harmonisées
		MECAWOOL		
Réaction au feu		A1		EN 14064-1:2010
Perméabilité à l'eau	Absorption d'eau	MU1		
Emission de substances dangereuses pour l'environnement intérieur	Emission de substances dangereuses	(a)		
Résistance thermique	Conductivité thermique	$\lambda_d=0,045 \text{ W/(m.K)}$		
	Epaisseur d'isolant	95 mm à 550 mm		
	Plage de résistance thermique après tassement	de $R=7,4 \text{ m}^2 \cdot \text{K/W}$ à $R=44,3 \text{ m}^2 \cdot \text{K/W}$ (e)		
Perméabilité à la vapeur d'eau	Transmission de la vapeur d'eau	NPD		
Fusion incandescente continue		(b)		
Durabilité de la réaction au feu avec le vieillissement/dégradation		(c)		
Durabilité de la résistance en compression avec le vieillissement /dégradation	Résistance thermique et conductivité thermique	(d)		
	Tassement	S1		

- (a) Une base de données informatives sur les dispositions européennes et nationales concernant les substances réglementées peut être consultées sur le site EUROPA de la construction (accessible à l'adresse suivante : <http://ec.europa.eu/entreprise/construction/internal/dangsub/dangmain.en.htm>).
- (b) Une méthode d'essai est en cours d'élaboration et lorsqu'elle sera disponible, la norme sera modifiée.
- (c) Pas de variation en ce qui concerne les propriétés de réaction au feu des produits en laine minérale. Les performances de réaction au feu de la laine minérale ne diminue pas avec le temps. La classification Euroclasse du produit est liée au contenu organique, et ne peut pas augmenter avec le temps.
- (d) La conductivité thermique des produits en laine minérale ne change pas avec le temps, l'expérience a montré que la structure de fibre est stable et que la porosité ne contient pas d'autres gaz que l'air de l'atmosphère.
- (e) Voir l'étiquette du produit.

9. Les performances du produit identifié aux points 1 et 2 sont conformes aux performances déclarées indiquées au point 9.

La présente déclaration des performances est établie sous la seule responsabilité du fabricant identifié au point 4.

Signé pour le fabricant et en son nom par :

Piette Patrice
Directeur Générale ISO2 industrie BVBA

A Desselgem le 27/12/2016.

1. PRODUCT AND COMPANY IDENTIFICATION

2. HAZARDS IDENTIFICATION

Most important hazards: There is no hazard statement associated with this product

Specific hazards: Non applicable

3. COMPOSITION / INFORMATIONS ON INGREDIENTS

Substance	Registration number	Amount weight (%)	Classification and labeling (CE n° 1272/2008)	Classification and labelin
Mineral wool (1)	65997-17-3	90 – 100%	Not classified	Generic product name: Not classified
Binder		0 – 10%	Not classified	Recommended use: Not classified Producer:

Composition	
SiO ₂ (silicate)	57-70
Al ₂ O ₃	0-5
FeO ₃	<0,5
B ₂ O ₃	0-12
Alcali – oxides	12-18
Alcali – earth oxide	8-15

(1) Man-made vitreous (silicate) fibers with random orientation with alkaline oxide and alkali earth oxide (Na₂O + K₂O + CaO + MgO + BaO) content greater than 18% by weight and fulfilling one of the nota Q conditions.

The European Regulation (ER) on chemicals N° 1907/2006 (REACH) enforced on June 1th 2007 requires Material Safety Data Sheet (MSDS) only for hazardous substances and mixtures/preparations. Mineral wool products (panel or rolls), are articles under REACH and therefore, MSDS is not legally required. Nevertheless, URSA decides to provide its customers with the appropriate information for assuring safe handling and use of mineral wool.

4. FIRST AID MEASURES

Information according to the different exposure route:

Inhalation: Remove from exposure. Rinse the throat and blow nose to clear dust.

Skin Contact: If mechanical irritation occurs, remove contaminated clothing and wash skin gently with cold water and soap.

Eyes contact: Rinse abundantly with water for at least 15 minutes.

Ingestion: Drink plenty of water if accidentally ingested.

In case of any adverse reaction or continuous discomfort from any of the above exposure, seek medical professional advice.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media Products do not pose a fire hazard in use, however, some packaging materials or facings may be combustible.
 Suitable extinguishing media: water, foam, carbon dioxide and dry powder.
 In large fires in poorly ventilated areas or involving packaging materials respiratory protection / breathing devices may be required.
 Products of combustion from product and packaging – carbon dioxide, carbon monoxide and some trace gases such as ammonia, nitrogen oxides and volatile organic substances.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: In case of presence of high concentrations of dust, use the same personal protective equipment as mentioned in section 8.

Environmental protection: Not relevant

Methods for cleaning up: Vacuum cleaner or dampen down with water spray prior to brushing up.

7. HANDLING AND STORAGE

Handling

Technical measures: No specific measure. Use preferably a knife. In case of a power tool use, it must be equipped with efficient air suction.

Precaution: Ensure adequate ventilation of workplace. See section 8.

Safe handling advice: Avoid unnecessary handling of unwrapped product. See section 8

Storage

Technical measures:	No specific measure, palletised products should be stored in accordance with site specific risk assessment.
Suitable storage condition:	Store products removed from pallet and packaging or loose unpalletised product, in a dry location.
Incompatible materials:	None
Packaging material:	Delivered packed in polyethylene film or cardboard on wooden pallet.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limit value:	None at European level.
Exposure controls:	No specific requirements.
<u>Individual protection equipment</u>	
Respiratory protection:	When working in unventilated area or during operations which can generate emission of dust. Type in accordance with EN149 FFP1 is recommended.
Hand protection:	Wear usual gloves in conformity with EN388.
Eyes protection:	Wear goggles when working overhead. Eye protection to EN166 is advised.
Skin protection:	Cover exposed skin.
Hygiene measures:	Rinse in cold water before washing.

"The mechanical effect of fibres in contact with skin may cause temporary itching"

The following sentence and pictograms are printed on packaging.



Ventilate working area if possible



Waste should be disposed of according to local regulations



Cover exposed skin.
When working in unventilated area wear disposable face mask



Clean area using vacuum equipment



Wear goggles when working overhead



Rinse in cold water before washing

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Solid
Form:	Granulate (blowing wool)
Color :	Brown
Odor:	Neutral
pH:	Not applicable
Boiling point:	Not relevant
Flash point:	Not relevant
Flammability:	Not relevant
Explosive properties:	Not relevant
Density:	From 11 to 16 kg/m ³
Water solubility:	Generally chemically inert and insoluble in water.
Fat solubility:	Not applicable
<u>Other information</u>	
Approximate length weight geometric mean diameter of fibers: 3 to 5µm	
Length weight geometric mean diameter less 2 standard errors (*): <6µm	
Orientation of fibers: Random	
(*) Regulation (EC) 1272/2008, nota R	

10. STABILITY AND REACTIVITY

Stability:	For building: Stable in normal conditions of use For high T uses: Binder will start to decompose around 200°C
Dangerous reactions:	None in normal conditions of use.
Hazardous decomposition products:	For buildings: None in normal condition of use. For high T uses: Decomposition of binder around 200°C. Produces carbon dioxides and some trace gases. The time and amount of release is dependent upon the thickness of the insulation, binder content and the temperature applied. During first heating, good ventilation or appropriate personal protection equipment are required.

11. TOXICOLOGICAL INFORMATION

Acute effect: The mechanical effect of fibers in contact with the skin can cause temporary itchiness.

12. ECOLOGICAL INFORMATION

This product is not expected to causes harm to animals or plants during normal conditions of use.

13. DISPOSAL CONSIDERATIONS

Waste from residue: Dispose in accordance with regulations and procedures in force in country of use or disposal.

Dirty packaging: Dispose in accordance with local regulations.

Code of European Waste catalogue: 17 06 04

14. TRANSPORT INFORMATION

Internal regulations: No specific regulations.

15. REGULATORY INFORMATION

The European directive 97/69/EC replaced by the regulation (EC) n° 1272/2008 concerning the classification, labeling and packaging of the substance and the mixtures does not classify glass fibers as hazardous, if they are in compliance with the note Q of this regulation.

The note Q specifies that classification as carcinogenic does not apply if:

- A short-term bio-persistence test by inhalation has shown that fibers longer than 20µm have a weight half life less than 10 days, or
- A short-term bio-persistence test intra-tracheal instillation has shown fibers longer than 20µm have a weighted half life less than 40 days, or
- An appropriate intra-peritoneal test has shown no evidence of excess carcinogenicity, or
- A suitable long term inhalation test has shown absence of relevant pathogenicity or neoplastic changes.

Mineral wool (glass, stone and slag wool) are not classified under the European Regulation on classification, labeling and packaging of substances and mixtures („CLP“ Regulation – Regulation EC n° 1272/2008) which is the European implementation of the international Globally Harmonized System („GHS“).

16. OTHER INFORMATION

The glass wool fibers of this product are exonerated from the carcinogenic classification according to the Regulation (EC) 1272/2008 if they fulfill one of the criteria of the note Q of these texts.

All products manufactured by URSA are made of non-classified fibers and are certified by EUCEB.

EUCEB, European Certification Board of Mineral wool products, www.euceb.org, is a voluntary initiative by the mineral wool industry. It is an independent certification authority that guarantees that products are made of fibers, which comply with the exoneration criteria for carcinogenicity (Note Q) of the directive 97/69/EC and the regulation (EC) 1272/2008.

To ensure that fibers comply with the exoneration criteria all tests and supervision procedures are carried out by independent, expert qualified institutions. EUCEB ensures that the producers of mineral wool have put in place self-control measures.

The mineral wool producers commit to EUCEB to:

- Supply sampling and analysis reports established by laboratories recognized by EUCEB, proving that the fibers comply with one of the four criteria of exoneration described in Note Q of the directive 97/99/EC,
- be controlled, twice per year, of each production unit by an independent third party recognized by EUCEB (sampling and conformity to the initial chemical composition),
- put in place procedures of internal self-control in each production unit.

The products responding to the EUCEB certification are recognized by the EUCEB logo put on the packaging.



Moreover, in 2001, the international Agency for Research on Cancer, re-evaluated and reclassified mineral wool (insulation glass wool, rock(stone) wool and slag wool) from group 2B (possibly carcinogenic) to group 3 „agent which cannot be classified as for their carcinogenicity to humans“. (See monograph vol 81 <http://monographs.iarc.fr/>)

Person who wish to obtain more detailed information have to contact the producer (address on the first page of this sheet).

Information given in this document is on the state of our knowledge regarding this material.

It is given in good faith.

The attention of user is drawn to possible risks taken when the product is used for applications other than the ones it has been designed for.