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SEETHESKILLS NEWS



Sustainable Energy Skills in construction: Visible, Validated, Valuable



Standing in front of the challenge for energy-efficient construction and acting at a market level in order to stimulate the demand.

Keyword tags

- Keyword #1: Energy skills**
- Keyword #2: Materials Catalogue**
- Keyword #3: Integrated repository**
- Keyword #4: Training Scheme**
- Keyword#5: Professionals and Companies Database**
- Keyword#6: BEDEC**

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Why use SEetheSkills materials database?

SEetheSkills Materials Catalogue database supplies economic and environmental information regarding construction elements used in Efficient Energy actions in the construction market.

This database is being originated not only as a pre-selection of energy efficient materials, based on the ITeC BEDEC database (with more than 900,000 Construction items and 40 years of history) but also based on Sustainable materials website of ITeC, and different Construction databases and Companies Catalogues databases relevant in the Construction sector in each Consortium partners countries.

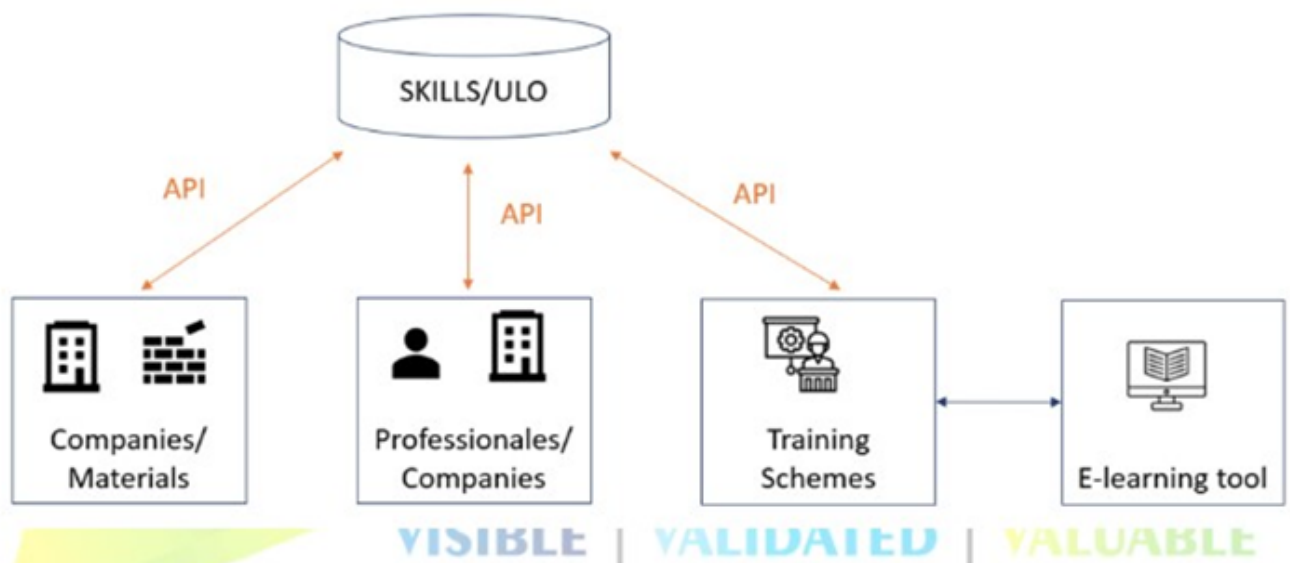


Figure 1. Scheme of API system in Cross-functionalities alternative, skills are the binding factor

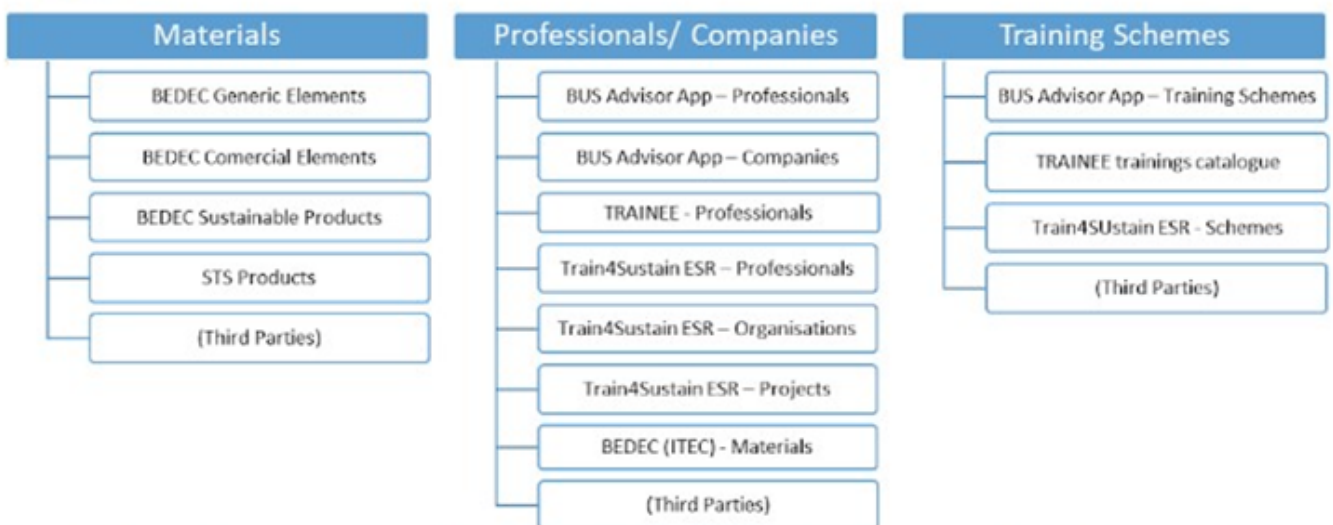


Figure 2. Several functionalities of the integrated SEetheSkills register provided by different solutions

Why use SEEtheSkills materials database?

... before construction starts

- To always obtain construction materials reliable information from linked Construction original databases.
- Since every construction element has price, and in some of the original Construction databases like BEDEC it is updated every year according to the evolution of the market, the database is a powerful tool for calculating accurate budgets and checking the cost of EE alternative design options.
- Since each construction element has data on CO2 emissions and embedded energy it is possible to measure the environmental impact of the project, check different design options and size up sustainability certification.
- To identify the best solutions to apply in the construction sector in terms of Efficient Energy thanks to the relevant information related to EE materials, carrying out intelligent searches for efficient materials through the filtering system, making possible compare them in order to detect which materials are more efficient in terms of energy consumption and carbon emissions and material cost.

... during the construction process

- Taking the cost side of the project database as a starting point, it is much easier for the quantity surveyor to keep track of the budget.
- Controlling carbon emissions and energy cost on construction process where the construction elements are.



... after construction project completion

- v Taking the database of the finished construction object as a starting point, it is much easier for the facility manager to draw maintenance and repair plans.



Announcement

SEEtheSkills is organising its first public dissemination at the Virtual tour event in Spain. Visit us at REBUILD 2023 expo, 28-30 March 2023 and find out more about SEEtheSkills results. The first entry gadgets with user account for using the Integrated register of Energy Skills - the project most important and significant result will be available there. Be the first to find out more about the SEEtheSkills databases on energy skills.

How does the SEetheSkills database work?

SEetheSkills Materials Catalogue is accessible from SEetheSkills website.

Firstly, we need to select the Language you desire to manage the information

Secondly, we could determine our Efficient Energy Construction Materials selection indicating the following desired filtering selectors:

- Sector
- Manufacturer
- Country
- Construction database reference

The screenshot displays the SEetheSkills Materials Catalogue interface. On the left, there is a 'Filters' sidebar with categories like Sector, Manufacturer, Country, and Database. The main area shows a table of materials, all of which are Rockwool products. The table columns include Manufacturer, Article, Description, Sector, Cost, and Action. The interface also features a navigation bar at the top with 'Materials', 'Professionals & Companies', and 'Training Schemes' tabs, and a language selector at the top right.

Manufacturer	Article	Description	Sector	Cost			co ₂	Action
ROCKWOOL	ROCKCALM-E-211,135x40x4	Semi-rigid mineral rock wool panel for thermal and acoustic insulation, according to...	B7C-THERMAL, ACOUSTIC AND SOUND-ABSORBING INSULATIONS	4.55 €/m ²	27.89 MJ	27.89 MJ	1.95 Kg	
ROCKWOOL	ROCKCIEL-E 444,120x60x10,5	Semi-rigid mineral rock wool panel for thermal and acoustic insulation, according to...	B7C-THERMAL, ACOUSTIC AND SOUND-ABSORBING INSULATIONS	33.98 €/m ²	197.14 MJ	197.14 MJ	13.81 Kg	
ROCKWOOL	ROCKCIEL-E 444,120x60x8,5	Semi-rigid mineral rock wool panel for thermal and acoustic insulation, according to...	B7C-THERMAL, ACOUSTIC AND SOUND-ABSORBING INSULATIONS	27.00 €/m ²	159.59 MJ	159.59 MJ	11.18 Kg	
ROCKWOOL	ROCKSOL-E-2525,120x60x4	Semi-rigid mineral rock wool panel for thermal and acoustic insulation, according to...	B7C-THERMAL, ACOUSTIC AND SOUND-ABSORBING INSULATIONS	13.63 €/m ²	122.31 MJ	122.31 MJ	8.57 Kg	
ROCKWOOL	ROCKCIEL-E 444,120x60x6,5	Semi-rigid mineral rock wool panel for thermal and acoustic insulation, according to...	B7C-THERMAL, ACOUSTIC AND SOUND-ABSORBING INSULATIONS	15.55 €/m ²	122.04 MJ	122.04 MJ	8.55 Kg	
ROCKWOOL	ROCKSOL-E-501,120x60x4	Semi-rigid mineral rock wool panel for thermal and acoustic insulation, according to...	B7C-THERMAL, ACOUSTIC AND SOUND-ABSORBING INSULATIONS	11.04 €/m ²	72.96 MJ	72.96 MJ	5.11 Kg	
ROCKWOOL	ROCKSOL-E-501,120x60x3	Semi-rigid mineral rock wool panel for thermal and acoustic insulation, according to...	B7C-THERMAL, ACOUSTIC AND SOUND-ABSORBING INSULATIONS	8.34 €/m ²	54.72 MJ	54.72 MJ	3.83 Kg	
ROCKWOOL	ROCKSOL-E-501,120x60x2	Semi-rigid mineral rock wool panel for thermal and acoustic insulation, according to...	B7C-THERMAL, ACOUSTIC AND SOUND-ABSORBING INSULATIONS	5.54 €/m ²	36.48 MJ	36.48 MJ	2.56 Kg	
ROCKWOOL	HARDROCK 391,120x100x10	Semi-rigid mineral rock wool panel for thermal and acoustic insulation, according to...	B7C-THERMAL, ACOUSTIC AND SOUND-ABSORBING INSULATIONS	37.68 €/m ²	316.50 MJ	316.50 MJ	22.17 Kg	
ROCKWOOL	HARDROCK 393,120x100x10	Semi-rigid mineral rock wool panel for thermal and acoustic insulation, according to...	B7C-THERMAL, ACOUSTIC AND SOUND-ABSORBING INSULATIONS	42.48 €/m ²	316.50 MJ	316.50 MJ	22.17 Kg	
ROCKWOOL	HARD ROCK 393,120x100x9	Semi-rigid mineral rock wool panel for thermal and acoustic insulation, according to...	B7C-THERMAL, ACOUSTIC AND SOUND-ABSORBING INSULATIONS	38.63 €/m ²	284.85 MJ	284.85 MJ	19.95 Kg	
ROCKWOOL	HARDROCK 391,120x100x8	Semi-rigid mineral rock wool panel for thermal and acoustic insulation, according to...	B7C-THERMAL, ACOUSTIC AND SOUND-ABSORBING INSULATIONS	30.14 €/m ²	253.20 MJ	253.20 MJ	17.74 Kg	
ROCKWOOL	HARDROCK 393,120x100x8	Semi-rigid mineral rock wool panel for thermal and acoustic insulation, according to...	B7C-THERMAL, ACOUSTIC AND SOUND-ABSORBING INSULATIONS	34.72 €/m ²	253.20 MJ	253.20 MJ	17.73 Kg	
ROCKWOOL	HARDROCK 393,120x100x8	Semi-rigid mineral rock wool panel for thermal and acoustic insulation, according to...	B7C-THERMAL, ACOUSTIC AND SOUND-ABSORBING INSULATIONS	33.68 €/m ²	253.20 MJ	253.20 MJ	17.74 Kg	
ROCKWOOL	HARDROCK 393,120x100x8	Semi-rigid mineral rock wool panel for thermal and acoustic insulation, according to...	B7C-THERMAL, ACOUSTIC AND SOUND-ABSORBING INSULATIONS	33.68 €/m ²	253.20 MJ	253.20 MJ	17.74 Kg	

Integrated Repository-User interface prototype (Materials Catalogue)

The selected final Construction materials obtained could be downloaded through a CSV file. Each construction material is linked to the professionals companies that are able to design and build solutions where these materials are involved.

Follow and contact us



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SEetheSkills – EU Project



https://seetheskills.eu



SeeTheSkills Project

Coordinated by



Economic Chamber of North Macedonia



Ss Cyril and Methodius
University, North Macedonia



WITS Institute SLU -
BIM Academy, Spain

Univerza v Ljubljani



University of
Ljubljana, Slovenia



Slovak chamber of Civil
engineers, Slovakia



Association of business
and consultancy, North
Macedonia

ITeC

The Catalonia
Institute of Construction
Technology



Slovak University of
technology, Slovakia



Chamber of commerce and industry of
Slovenia, Slovenia

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