

Comfizone



South Africa

C Z Cellulose Manufacturers cc
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Product Data Sheet

Product Identification

CZ loose fill material consisting of cellulose (wood - based) fibres treated with fire retardant and biocide additives.

Description

The product has high insulating properties with high thermal resistance, is environmentally friendly with low embodied energy (energy used during the manufacture of the product), will not support fungal growth and is unattractive to insects and rodents. It is also a fire retardant.

Appearance

Fibrous grey matrix

Applications

For all domestic, commercial and industrial applications where loose fill insulation is appropriate.

Batch Identification

A sticker denoting a batch number and date of manufacture is put on each and every bag. For example with a sticker showing 7/15/04/1965 the first digit relates to the batch number with the remaining digits reflecting the date of manufacture. The sticker thus refers to a bag produced in batch 7 on 15 th April 1965.

Mass of Contents

The total weight of the bag including the content is 13.1kg

Handling

C Z Cellulose is non toxic and non irritant and can be handled in safety

Environment Friendly

As C Z Cellulose consists of 70% recycled newsprint with harmless household chemicals added the product is extremely environment friendly. Cellulose Fibre has also been awarded the South African Wildlife Society Recycling Mark Z Cellulose is a predominately recycled product used to conserve energy.



Durability

C Z Cellulose is unattractive to vermin. It will not support fungal growth. In normal building construction the product is unaffected by exterior winds C Z has very low settlement properties and will last the lifetime of the building under normal conditions.

Corrosion Resistant

C Z will not create any corrosion hazards when in contact with any metal present in the roof.

Settled Density

The settle density of the product is between 30-36 kg per cubic meter.

Percentage Moisture Absorption

The percentage moisture is between 0 and 15 %

Recommendation for storage and transportation

To avoid getting wet, bags must be kept under cover during transportation and storage.

Acoustic insulation

When used as an acoustic filling in a stud partition or between timber floors it produces significant reductions in sound transmission levels.

Fire Rating

C Z has been tested to S A N S 428 specifications and classified B/B1/2. The test found and we quote “C Z Cellulose Fibre above ceiling insulation is suitable for use as an overlay insulation system on top of flat gypsum or other inorganic ceiling systems from a fire safety point of view”



Embodied Energy

The embodied energy in a product is the energy which was used during the manufacturing of the product's Z has a very low embedded energy when compared to other products' C Z uses 12 times less energy to manufacture than polystyrene, 15 times less to manufacture than glass fibre, and 33 times less energy to manufacture polyurethane. The construction of building of lowest embodied energy is an important objective for Architects especially in today's climate with its thread of GLOBAL WARMING.

Thermal Resistance

C Z Cellulose Fibre has been tested to S A N S 1381.6 (2004) and rated to 2.56 m²K/W



