## Arsene Liadze

**De:** Guillaume BAUCHOT [g.bauchot@iosisgroup.fr]
**Envoyé:** mercredi 8 décembre 2010 09:29
**À:** info@cepceilings.com
**Cc:** arsene.liadze@protisol.com
**Objet:** For KEVIN GALE --- SOLITEX Plain - VOC emissions rate - Level E1
**Pièces jointes:** image001.jpg

Dear M. Kevin Gale,

I am writing to you from Arsene Liadze, your representative in France.

Working on a BREEAM project certification, I need to prove the VOC level of your SOLITEX plain product. In this aim, you sureley have the CE mark (EN 13964) which precise the VOC level (E1 or E2). Could you send me this certificate ?

Sincerly yours

***Guillaume BAUCHOT***
*Pôle Performance des Ouvrages*

Tél : 01 78 42 73 27
Por : 06 59 34 34 13
Fax : 01 78 42 73 55

IOSIS CONSEIL

*4, rue Dolorès Ibarruri - TSA 10008*
*93 188 Montreuil Cedex*
www.iosisgroup.fr

**Arsene Liadze**

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**De:** Kevin Gale [kevin.gale@cepgroup.co.uk]
**Envoyé:** lundi 13 décembre 2010 16:40
**À:** g.bauchot@iosisgroup.co.uk
**Cc:** arsene.liadze@protisol.com
**Objet:** Solitex Plain

Dear Guillaumme Bauchot

Firstly my apologies for the delay in responding, however I have only received your mail today.

I am pleased to confirm that the Solitex products supplied by ourselves are CE marked in accordance with the requirements of EN 13964 and that the classification of the tiles is E1.

As you may already be aware there is no requirement within EN 13964 to test for this when components have no or only naturally occurring levels of formaldehyde which may be automatically tested as E1,This is relevant for the CEP Solitex tiles

I have included below the relevant part exert from EN13964 to support this.

**4.5.2 Formaldehyde release**

Where formaldehyde-containing material is added to any of the components of the ceiling as a part of the production procedure, the component shall be tested and classified into one of two classes: E1 or E2. The classes and related test methods are given in Annex E.

This requirement does not apply to components having naturally occurring levels of formaldehyde, which may be classified E1 without the need for testing.

Components which have neither formaldehyde containing materials added nor which have naturally formaldehyde levels occurring do not have to be classified and declared in respect of formaldehyde release.

Should you require any further information please let me know

Kind Regards

Kevin Gale
Managing Director

TEX TEXT PERF F/TEG
A1798
6 Tiles
900x450mm
2.43m²
15MM
CE
EN 13501-1: 2007
Euroclass A2-s1,d0
No asbestos emissions
Class E1
MADE IN THE UK BY
CEP
Venlam Road
Stafford
ST16 3EA
Telephone 01785 223435
Fax 01785 251309

Tel: 01455 618787

Burgess

Fax. 01455 251061

# Fax Message

| | | | |
|---|---|---|---|
| **To:** | PROTISOL | **From:** | Guy Arnott |
| **F.A.O:** | Arsene Liadze | **Pages:** | 4 |
| **Fax No.:** | 0033 156361309 | **Date:** | 17/02/11 |
| **Our Ref:** | | **C.C.:** | |
| **Re:** | BREEAM PROJECT CERTIFICATION | | |

Dear Arsene,

Further to your Email dated 15/02/11, regarding Breeam Certification, for the European Tower Project, we can confirm the following:

Our ceiling tiles contain zero VOC levels, and therefore do not require testing, as stated in the BS EN 13964 Standards. Attached is the relevant paragraphs, taken from the following standards, - BS EN 13964:2004 + A1:2006 . The relevant paragraphs are 4.5.2, and have been marked with an asterisk.

Please see attached our Sustainability Policy, confirming the above statement.

Kind Regards

Guy Arnott
Burgess Architectural Products

### 4.5 Hygiene, health and environment – Toxic gasses and dangerous substances

#### 4.5.1 Asbestos content

No part of a ceiling shall contain asbestos.

#### 4.5.2 Formaldehyde release

Where formaldehyde-containing material is added to any of the components of the ceiling as a part of the production procedure, the component shall be tested and classified into one of two classes: E1 or E2. The classes and related test methods are given in Annex E.

This requirement does not apply to components having naturally occurring levels of formaldehyde, which may be classified E1 without the need for testing.

Components which have neither formaldehyde containing materials added nor which have naturally formaldehyde levels occurring do not have to be classified and declared in respect of formaldehyde release.

#### 4.5.3 Other dangerous substances

For the control of other dangerous substances for products sold in the European Economic Area (EEA), see Annex ZA; products sold outside the EEA shall conform to any regulatory provisions on dangerous substances applicable in the country of destination.

### 4.6 Safety in use

#### 4.6.1 Shatter properties

Where membrane components are made of materials for which shatter properties or safe breakage are required (e.g. glass), the performance of the membrane in case of shattering or breakage shall be determined according to EN 12600. This requirement may also be satisfied if membrane components have already been assessed according to the provisions of other European Standards, where available.

#### 4.6.2 Flexural tensile strength

The membrane shall have sufficient strength to support its own mass when installed in the substructure. When any additional load is to be applied, the ceiling designer has to state where and how this load can be applied and how much this load is. In addition to the minimum requirement that the membrane shall not fall out, it shall be of adequate strength to ensure that aesthetic properties (in particular flatness and bow) are maintained. Where relevant, adequate flexural tensile strength shall be determined, due account being taken of the span of the membrane component, any openings which may be made in it, and any load (in addition to its self weight) that may be attached to the membrane. Where relevant, tests designed to assess the flexural tensile strength shall be performed according to Annex F, on a representative sample of the membrane material, account also being taken of the end use design (flexural tensile strength does not apply to all membrane materials). The result of the test shall be declared as one of the classes of deflection of Table 6 in combination with one of the classes of exposure of Table 7 and the applied load.

#### 4.6.3 Electrical safety

The suspended ceiling shall be capable of being installed in accordance with the requirements of the CENELEC HD 384 series of documents.

Electrical wiring may also be carried in exposed or concealed trays specifically designed and installed for that purpose, provided that the ceiling has been designed for this.

Where regulations require that the suspended ceiling is earthed and/or bonded, the ceiling and its components shall be designed to allow this, in accordance with the requirements valid in the country of use of the product.

**Burgess A P**
METAL CEILING SYSTEMS

# Sustainability Policy

## Overview

Metal ceilings are one of the few interior finishes that are 100% recyclable, providing an opportunity to be completely recycled at the end of their useful life.

## Recycled Content

Currently at Burgess our ceilings on average contain 17.5% recycled content, this combined with steel's own contribution to conserving natural resources of being lightweight, durable and 100% recyclable, ensures that we provide our customers with highly environmentally responsible products. The current re-use or recycling rate of steel construction products in the UK is 94%.

Our manufacturing process is designed to minimise both energy used and scrap created. The packaging we use during transportation contains between 80% and 100% recycled content. Steel generally does not lose strength or rigidity over time, and can be easily dismantled. More than 40% of new steel is produced from re-cycled material.

Burgess have a well established 3rd party recycling programme for all production waste, including scrap metal, wooden pallets, cardboard packaging, etc. Our employees are well trained in the principles of Reduce, Reuse and Recycle.

The ceilings we supply contain zero V.O.C. (Volatile Organic Compounds) levels.

## Durability

High durability metal ceilings have a long life cycle (30 years) and can be re-used allowing for greater flexibility when spaces are re-designated.

Metal ceiling systems are more durable and damage-resistant.

Metal ceilings can be cleaned easily minimizing the need for frequent replacement and disposal.

## Energy Saving

Metal ceilings with high light reflectance can yield significant total building energy savings.

High light reflectance ceilings enhance the benefits of indirect lighting by improving overall lighting uniformity, returning up to 90% of the light back into the space, compared to 75% with standard ceilings.

Burgess Architectural Products Ltd, Brookfield Road, Hinckley, Leicestershire, LE10 2LL
Tel: +44(0) 1455 618787

# Burgess A P
## METAL CEILING SYSTEMS

Burgess in-house paint facilities can effect these savings to your exact specified requirements. Burgess standard products of 20% gloss can help affect the majority of the above savings.

Heating and cooling energy savings can also be made with the correct choice of ceiling system for the building; using standard thermal insulation pads to reduce heating costs and perforated ceiling tiles to aid ventilation and cooling.

High performance sound absorption ceilings allow a building space to be maximised.

### Transportation

Burgess are committed to reducing our transport emissions throughout the whole company. From employing a mainly local workforce and sourcing products from local suppliers, to ensuring our deliveries have optimised vehicle capacity.

### Design

From conception and design, through production and manufacture, to delivery and installation we endeavour to eliminate waste and utilise renewable materials. Most recently, we have researched and developed a new recycled material for use on our Raised Access Flooring in partnership with Nottingham Trent University.

### Carbon Footprint

Burgess is continually monitoring our carbon footprint and since implementation we have reduced our carbon footprint by 47%. This is based on the Carbon Trust footprint calculator. Burgess is committed to continue this policy to conform or exceed the targets set by the British Government to reduce $CO_2$ emissions.

### Summary

Steel products in commercial buildings help the construction industry achieve many of the goals of sustainable construction.

Burgess will continue to ensure that our business is conducted and managed with the objective of providing high quality products to meet our customer's needs, without compromising the ability of future generations to meet their needs.

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