




CONCRETE CANVAS®

Concrete on a Roll

FIRE CERTIFICATION



RAIL



ROAD



MINING



PETROCHEM



AGRO



UTILITIES



PUBLIC WORKS



DEFENCE



DESIGN



SHELTER



Winner
Technical Innovation Award



Innovation Award
ICE Wales Cymru Awards 2017



2014 Fast Track 100
16th fastest growing
company in the UK.



2014 Queen's Award
for Enterprise in
Innovation



2013
Macrobert Award
Finalist



2013 Innovation Award Winner
Ralltex Exhibition



2012 R&D 100
Award winner
R&D Magazine



2009 Winner
Material ConneXion Medium Award
Material of the Year



D&AD Yellow Pencil Award
Winner
Product Design

Concrete Canvas® GCCM

Concrete Canvas® GCCM* (CC) meets the fire regulations and demands for many interior and exterior public localities. CC is fire-safe, does not contribute to the surface spread of flames, has a low level of smoke development and minimal hazardous gas emissions.

Euroclass System

Previously, depending on the type of locality, fire safety requirements varied from country to country. The Euroclass system is replacing these earlier national classification systems, which formed obstacles to trade. This new classification system for the reaction to fire properties of building construction products has been introduced in Europe by COMMISSION DECISION (2000/147/EC) of 8 February 2000 implementing Council Directive 89/106/EEC (Ref. OJ L 50, 23.2.2000). It consists of two sub systems, one for construction products excluding floorings, eg. wall and ceiling surface linings and another similar system for floorings. A class marked with capital letter from A to F indicates product behaviour in different stages of fire development of which classes A1 and A2 are non combustible products (see table below). Additional information about smoke and flaming droplets release is marked in subscript e.g. A2 s1 d0. The Euroclass system additionally defines the test methods according to which construction products shall be categorised.

The system is divided into various classes in accordance to the following:

A1	Non-flammable materials	No contribution to fire
A2	Non-flammable material	No noticeable contribution to fire
B	Flammable	Little or no contribution to fire
C	Flammable	Limited contribution to fire
D	Flammable	Contributes to fire
E	Flammable	Major contribution to fire
F	Flammable	Not within classes A1-E

CC has achieved the classification:

B-s1, d0

This classification is the highest possible for flammable materials and can be broken down as below.

B	The panels contribute little or insignificantly to fire.
s1	The panels contribute little or insignificantly to the development of smoke.
d0	The panels do not create flaming particles or droplets when subjected to fire.



*Geosynthetic Cementitious Composite Mat