

3.3 The system Tytan B1 Graphite may be used to provide a penetration seal with cables, cable trays, plastic pipes and metallic pipes with and without insulation (for details see ETA 14/0242 Annex A).

The supporting construction must be classified in accordance with EN 13501-2 for the required fire resistance period.

Rigid floors: The floor must have a minimum thickness of 150 mm and comprise aerated concrete or concrete with a minimum density of 650 kg/m³.

Rigid walls: The wall must have a minimum thickness of 100 mm and comprise concrete, aerated concrete or masonry, with a minimum density of 650 kg/m³.

Flexible walls: The wall must have a minimum thickness of 100 mm and comprise steel studs lined on both faces with minimum 2 layers of 12.5 mm thick boards. The walls must also incorporate a full fill core insulation of Stonewool (minimum 35kg/m³ density).

3.1 The intended use of system Tytan B1 Graphite is to reinstate the fire resistance performance of flexible and rigid wall, and floor constructions where they are penetrated by various steel and plastic pipes, cables with and without cable trays.

3.2 The specific elements of construction that the system Tytan B1 Graphite may be used to provide a penetration seal in, are as follows:

3. Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer, and in accordance with the applicable European Assessment Document (Hereinafter EAD):

ETA-026-2 (penetration seals):

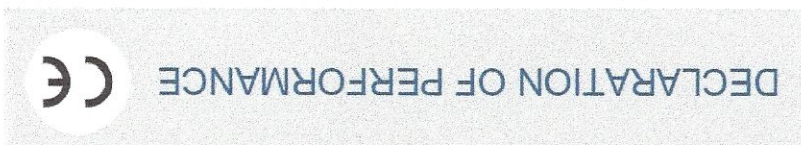
batch number: see packaging of the product

2. Type, batch or serial no. or any other element allowing identification of the construction product as required pursuant to article 11(4):

TYTAN PROFESSIONAL B1 Graphite

1. Unique identification code of the product-type:

according to Annex III of the Regulation (EU) No 305/2011 nr F500000002
Edition: 01.23.2015



This Declaration of Performance has been prepared in accordance with the guidelines set out within
ETA 14/0242 prepared by UL International (UK) Ltd notified body 0843
EC Certificate of conformity 0843-CPR-0188
ETAG 026 part 1 (general) and 2 (penetration seal).

8 In case of the declaration of performance concerning a construction product for which a European
Technical Assessment has been issued:

Not applicable

7 In case of the declaration of performance concerning a construction product covered by a
harmonized standard:

AVCP-System 1

6 System or systems of assessment and verification of consistency of performance of the construction
product as set out in annex V:

Not applicable

5 Where applicable, name and contact address of the authorized representative whose mandate
covers the tasks specified in Article 12(2):

**Selena FM S.A.
Ul. Strzegomska 2-4
53-611 Wrocław
Poland**

4 Name, registered trade name or registered trade mark and contact address of the manufacturer as
required pursuant to article 11(5):

3.5 Type Z2: intended for use for internal conditions with humidity classes other than Z1,
excluding temperatures below 0°C.

3.4 The provisions made in the European Technical Assessment are based on an assumed
working life of the Tylan B1 Graphite for 10 years, provided that the conditions laid down in the
manufacturer's datasheet and instructions for the packaging/transport/storage/installation/
use/repair are met. The indications given on the working life cannot be interpreted as a guarantee
given by the producer, but are to be regarded only as a means for choosing the right products in
relation to the expected economically reasonable working life of the works.

23.01.2015 Wrocław



Remigiusz Cybulski
Leader of Chemical Regulation and Technical Documentation

Signed on the behalf of the manufacturer by:

The performance of the product identified in points 1 and 2 is in conformity with the performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

*minimum 25mm depth single sided seal

Essential Characteristics	Performance	Harmonised technical specification or test Standard
Reaction to fire	NPD	EN 13501-1
Resistance to fire	See ETA 14/0242 Annex A	EN13501-2
Air permeability	NPD	EN1026
Water permeability	NPD	ETAG 026-2 Annex C
Release of dangerous substances	EC 1 plus	GEV/EMICODE
Mechanical resistance and stability	NPD	EOTA TR 001
Resistance to impact/movement	NPD	EOTA TR 001
Adhesion	NPD	EOTA TR 001
Airborne sound insulation	Rw (C;Ctr) = 53 (0;--1) dB*	EN 10140-2
Impact sound insulation	NPD	EN 10140-3
Thermal properties	NPD	EN 12664, EN 12667, EN 12939
Water vapour permeability	NPD	EN ISO 12572, EN 12086
Durability and serviceability	Z2	ISO 8339

9 Declared performance:

according Annex III of the Regulation (EU) No 305/2011 nr F500000002
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