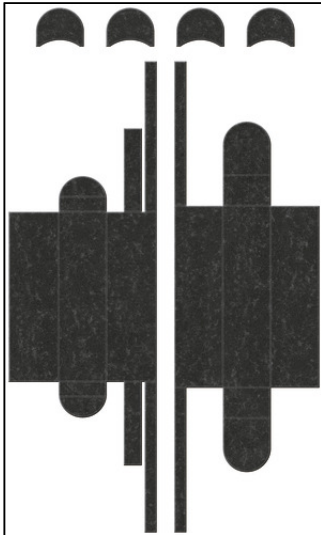




TECTUS Intumescent Fire Kits to suit TE540 ENERGY

Variant code: 8823

The **TECTUS ENERGY Intumescent Fire Protection Kit** is a purpose-designed accessory for use with **TE 540 3D Energy concealed hinges**. It is intended for compatible hinge installations where **intumescent protection** is required as part of an appropriately specified fire-resistant door construction.

Designed specifically around the compatible **ENERGY concealed hinge system**, the kit provides a dedicated intumescent solution for the hinge installation while allowing the benefits of **permanent energy transfer** and completely concealed hinging to be retained. The associated hinge is designed for **unrebated heavy-duty doors** and timber, steel or aluminium frames.

The compatible hinge system carries **CE, IFT, UL and Certifire certifications** and has a function range covering **Smoke Resistance, Soundproof and Burglar Resistance**. The manufacturer states that suitability for fire doors depends on the **complete door construction**, so the intumescent kit and compatible hinge should always be specified in accordance with the requirements of the relevant tested or approved door assembly.

Product Features

- **Purpose-designed intumescent fire protection kit**
- Specifically designed to suit **TE 540 3D Energy concealed hinges**
- Compatible with a concealed hinge incorporating **permanent energy transfer**
- Designed for use within appropriately specified **fire-resistant door constructions**
- Provides dedicated **intumescent protection for the compatible hinge installation**
- Compatible hinge is designed for **unrebated heavy-duty doors**
- Suitable for hinge systems installed in **timber, steel and aluminium frames**
- Purpose-designed for integration with

the compatible **TECTUS ENERGY hinge system**

Product Benefits

- Provides a dedicated intumescent solution specifically matched to TE 540 3D Energy concealed hinge installations
- Supports the use of the compatible ENERGY hinge within appropriately specified fire-resistant door constructions
- Allows intumescent protection to be incorporated while retaining permanent energy transfer through the concealed hinge system
- Designed specifically around the compatible hinge rather than relying on a generic intumescent protection solution
- Supports the clean architectural appearance provided by a **completely concealed hinge installation**
- Complements a hinge system carrying CE, IFT, UL and Certifire certifications

Technical Characteristics

- **Product Type:** Intumescent Fire Protection Kit
- **Accessory Type:** Concealed Hinge Intumescent Kit
- **Compatibility:** TE 540 3D Energy Concealed Hinges
- **Compatible Hinge Technology:** Permanent Energy Transfer
- **Compatible Door Type:** Unrebated Heavy-Duty Doors
- **Compatible Frame Types:** Timber, Steel & Aluminium
- **Purpose:** Intumescent Protection for Compatible Concealed Hinge Installations
- **Application:** Appropriately Specified Fire-Resistant Door Constructions
- **Compatible Hinge Certifications / Quality Marks:** CE, IFT, UL & Certifire
- **Compatible Hinge Function Range:** Smoke Resistance, Soundproof & Burglar Resistance
- **Fire-Door Suitability:** Dependent on the Complete Door Construction

Applications

The **TECTUS ENERGY Intumescent Fire Protection Kit** is specifically intended for **TE 540**

3D Energy concealed hinges used within appropriately specified fire-resistant door assemblies. It is particularly suited to **unrebated heavy-duty door installations** where completely concealed hinging and **permanent energy transfer** are required alongside a dedicated intumescent solution. Final suitability for any fire-door application must be determined by the specification, testing and approval of the **complete door construction**.

Property	Value
Cutter diameter (mm)	28
Collar ring diameter (mm)	30
Thickness (mm)	2