

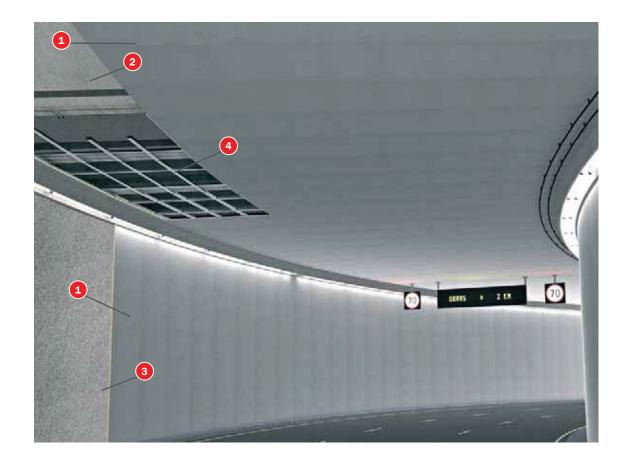
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Tunnels 🔵 🚗 🚷 TECBOR® A & B





8.3 TECBOR® B 40 TUNNEL SUSPENDED CEILING ON METAL STRUCTURE. RWS 120 AND RWS 180



EI-120

TEST

Standard: RWS Fire Curve **Laboratory: EFECTIS** Test Nº: 2009-Efectis-R0998

SOLUTION

- 1 Tecbor® B 40 mm boards
- Slabs
- 3 Concrete wall
- 4 Metal profiles

EI-180

TEST

Standard: RWS Fire Curve **Laboratory: EFECTIS** Test Nº: 2009-Efectis-R0999

SOLUTION

- 1 Tecbor® B 40 mm boards
- 2 Slabs
- 3 Concrete wall
- 4 Metal profiles

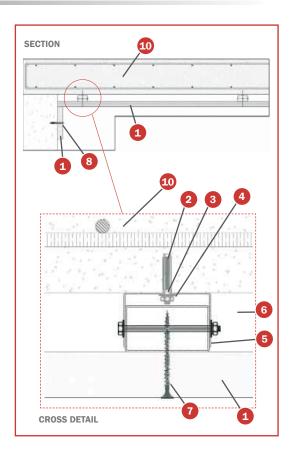
- 1 Tecbor® B 40 mm boards
- 2 Expanding metal anchor with inner thread
- 3 Steel threaded rod Ø 12 mm
- 4 Zinc coated nut Ø 12 mm
- 5 75x46x1,2 mm metal profile
- 6 75x40x1,2 mm metal profile
- **5,5**x73 mm screw
- 8 Plug anchoring + 10x100 mm screw
- Tecsel® mastic for joints
- Reinforced concrete slab

DESCRIPTION OF ASSEMBLY

Install the metal structure that will support the suspended ceiling forming a grid (refer to Technical Department for sizes) with primary profiles and secondary profiles sized 75x46x1.2 mm and 75x40x1.2 mm respectively.

Once the metal structure is in place, fix the **Techor® B** 40 mm board to it using 5.5x73 mm self-drilling screws.

Mercor tecresa® offers different assembly options. Please contact the Technical Department.



SOLUTION 2

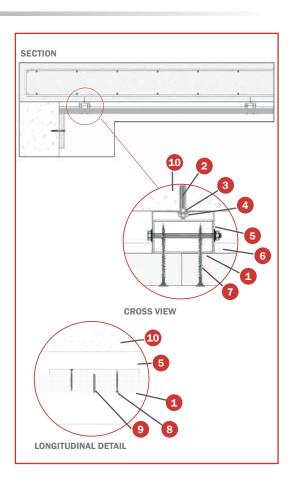
- 1 Tecbor® B 40 mm boards for tunnel
- Expanding metal anchor with inner thread
- 3 Steel threaded rod Ø 12 mm
- 4 Zinc coated nut Ø 12 mm
- 5 75x46x1,2 mm metal profile
- 6 Tecbor® A 12 mm boards
- **6**,3x65 mm screw
- 8 4,5x50 mm Hi-Low screw
- 9 Tecsel® mastic for joints
- 10 Reinforced concrete slab

DESCRIPTION OF ASSEMBLY

Install the metal structure that will support the suspended ceiling forming a grid (refer to Technical Department for sizes) using primary profiles 75x46x1.2 mm in size. The secondary profile is replaced with a strip of **Techor® A** 12 mm board 150 mm wide.

Once the metal structure is in place, fix the **Tecbor® B** 40 mm board to it using 6.3x65 mm self-drilling screws.

Mercor tecresa®, offers different assembly options. Please contact the Technical Department.



SOLUTION 3

- 1 Tecbor® B 40 mm boards
- 2 Expanding metal anchor with inner thread Ø 12
- 3 Steel threaded rod Ø 12 mm
- 4 Zinc coated Ø 12 mm
- 5 Pivot TC-60 Steel grip, e= 0,6 mm
- 6 TC-60 connection
- 7 5x80 mm screw
- 8 Plug anchoring + 10x100 mm screw
- 9 Tecsel® mastic for joints
- 10 Concrete slab
- TC 60/27 profile

DESCRIPTION OF ASSEMBLY

Install the metal structure that will support the suspended ceiling forming a grid (refer to Technical Department for sizes) with a TC 60/27 profile. Once the metal structure is in place, fix the **Techor® B** 40 mm board to it using 5.5x73 mm self-drilling screws.

Mercor tecresa®, offers different assembly options. Please contact the Technical Department.

