

EXPANCHOR® ER-100/ ER-150

This Expanchor® with removable flange is a ceramic anchor which can be inserted in basically any kind of refractory lining for a wide range of anchoring purposes.

Mainly this anchor is designed to be used in combination with Refrex® “hot face” fibre lining to anchor this fabric over existing fibre linings. However the Expanchor® also may be applied to fix additional fibre blankets or board (up to 75 mm) over existing fibre- or refractory lining.



Fig. 1



Fig. 2

The removable flange makes it possible to remove the “hot face” lining and keep the ceramic anchor in place. This way, repairs and modifications can be performed with reduced chance of damaging the lining.

To fulfill the function of an anchor, the Expanchor® is inserted in the lining (through the Refrex®), after which it is secured by injecting a controlled volume of Insulmould®.

The Insulmould® escapes through the holes and penetrates into the surrounding porous material, which will secure the anchor in c.f. stackbond / modules / bricks / etc.

Inserting into present or new c.f. (module/stackbond) linings is done by hand.

Inserting into hard refractories, like I.F.B., dense firebrick, castable, monolithic etc., requires predrilling of 18 mm holes of a predetermined depth.

ED-80/RS or ED-80 disc for extra support:

Fig. 3a



Fig. 3b

The ED-80 / RS has a split (to allow expansion at high temperatures), which is narrower than the shaft of the Expanchor® to make it impossible to fall off (see fig. 3).

The ED-80 has a wider split, which can be placed between the lining and the head of the Expanchor® afterwards when needed (see fig. 4).



Fig. 4a



Fig. 4b



Fig. 4c

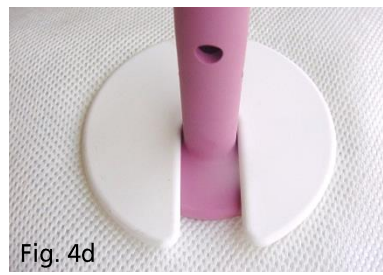
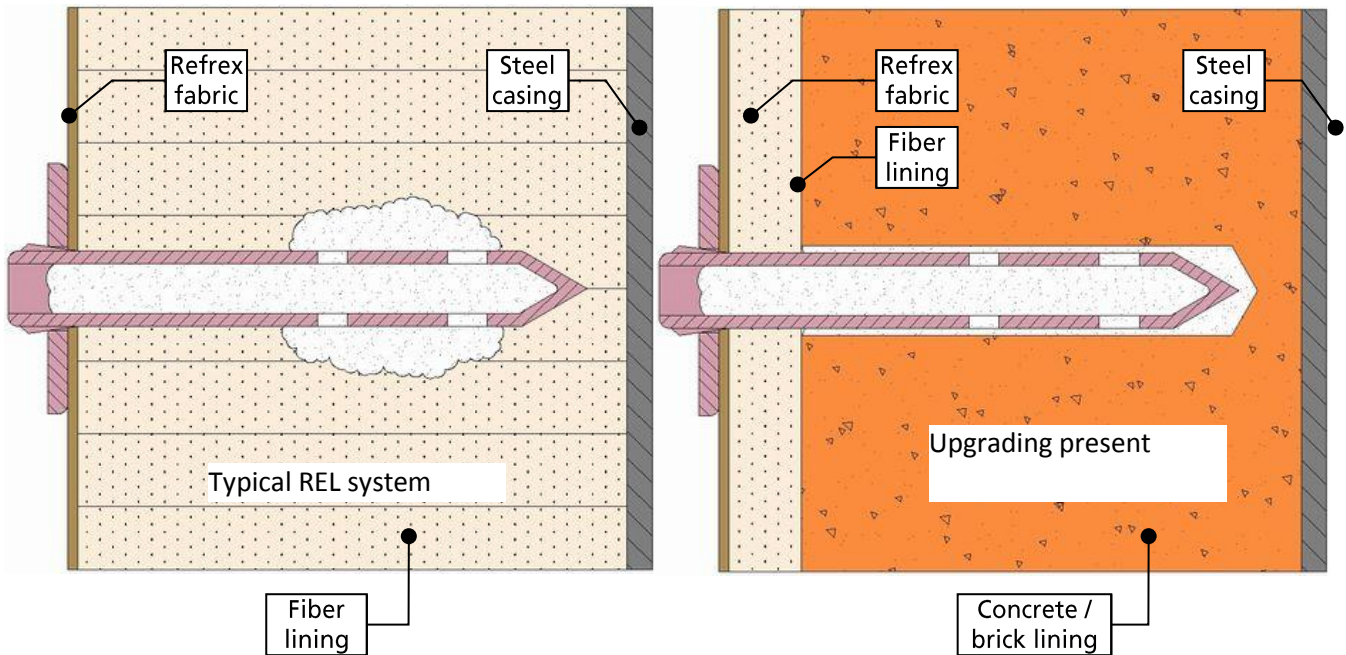


Fig. 4d

EXPANCHOR® ER-100/ ER-150

Typical use:



General characteristics:

- 97 % Al₂O₃; max. operating temperature (oxidizing): 1450 °C
- No metal parts, no oxidation; durable lifetime.
- No heatbridges.
- Creates a durable heat reflecting maintenance free hotface surface.

Typical applications:

- Fixation of Refrex® fabrics (REL system)
- Upgrading and/or renovation of present (old) linings.
- Easy repairing of damaged lining area by taking off and replacing the ceramic flanges.

Availability:

ER-100: Removable 50 mm flange; length 100 mm.

ER-150: Removable 50 mm flange; length 150 mm.