

# Elite Concrete technical specifications

## Quality statement - Gully Cover Slabs / Gully Raisers

If in doubt after reading this guide contact **01952 588885** for technical advice.

**Concrete specification** RC40/50XF Equivalent  
 Minimum Cement Content = 360kg/m<sup>3</sup>  
 Maximum w:c ratio = 0.45  
 Cement type = CEM1 52.5N  
 Coarse Aggregate = Aggregate Industries  
 Fine Aggregate=Cemex.

**Durability** The use of an RC40/50XF equivalent concrete ensures suitability for use in XF4 conditions as defined in BS 8500-1:2013.  
**Freeze-thaw attack (XF classes - where concrete is exposed to significant attack from freeze-thaw cycles whilst wet).**



BS 5911-6  
 KM 658166

Class designation	Class description	Informative examples applicable in the United Kingdom
XF4	High water saturation with de-icing agent or sea water (G)	Horizontal concrete surfaces, such as roads and pavements, exposed to freezing and to de-icing salts either directly or as spray or run-off. Concrete surfaces subjected to frequent splashing with water containing de-icing agents and exposed to freezing.

**The units are nominally reinforced and have a design working life of 100 years as defined in BS EN1990:2002+A1:2005.**

ASR - the total alkali content of the concrete is calculated as:

$360 \times 0.75/100 = 2.7\text{kg/m}^3 \text{ Na}_2\text{O}$  equivalent  
 Limiting value 3.5kg/m<sup>3</sup> for normal reactivity aggregates(BS EN8500-2 Annex B).

**Lifting points** All units are provided with lifting points recessed into the underside surface of the concrete.

**Quality management** All Gully Cover Slabs are manufactured under a Third Party Assessed Factory Production Control System in accordance with BS 5911-6 Annex E, and all units are Kitemarked.



Elite Precast Concrete Limited  
 Halesfield 9, Telford, Shropshire TF7 4QW  
 Tel: 01952 588885 Fax: 01952 582011  
[www.eliteprecast.co.uk](http://www.eliteprecast.co.uk)