

King Sheet Piling (KSP®)

Guidance to Users

How is KSP made available?

KSP can be used by any party on any project, subject to a simple license agreement and payment of a license fee for use of the patented system. Typically, the agreement is made with the contractor constructing the project but may also be with the customer or the sheet piling subcontractor installing the system.

What is the license fee basis?

The license fee covers Balfour Beatty's costs in developing and promoting the system for use by third parties, whilst also providing a return for making the system widely available. The fee basis does depend on the application but is normally 30% of the saving in steel cost through using KSP. For typical standard cantilever sheet pile walls, the fee may be simplified where appropriate to 15% of the cost of the steel used.

What are the benefits for my customer?

- Typically, the customer saves about 25% of the cost of the steel in a conventional sheet pile wall after paying the license fee (actual saving will vary with the application). They also gain the savings in installation cost (reduced area of steel and easier installation).
- The customer gains the productivity savings, which can be substantial. Safety is also improved.
- The customer gains over 55% reduction in noise disruption where percussive driving is required.
- The customer improves the sustainability of their project through a substantial reduction in the embedded carbon footprint of the job.

Is there anything I need to consider because of the patent?

- Requirements for use in a design are simple and discussed below.
- There are no competition issues with the patented status. Balfour Beatty makes the system widely available for all to use. All that is required is that the user completes a simple agreement for use of KSP.
- The net benefits to the user are obvious and only ever positive. It is a win-win situation for all.

What are the technical issues for designing a KSP wall?

Design of a KSP wall is straightforward and little different to design of a conventional sheet pile wall. Technical guidance is available on the [Technical](#) page of our website, where you can access the Technical Guidance Download.

What must I do to design a KSP wall?

Anyone appropriately qualified may design a KSP wall in accordance with good engineering practice and the above technical guidance. All that is required is:

- Make contact through enquiries@ksp-piling.co.uk to advise us of the existence of your project, the relevant parties, and your intention to produce a KSP design. This allows us to be aware of the project's existence and the requirement for a license agreement at the appropriate point.
- Include the following on all drawings which show a KSP wall:

Sections depicting a KSP wall should display prominently the words "PATENTED SYSTEM – See Note x". The reason for this is that people often glance at a drawing, get an idea or concept in their mind without looking at the notes and then use the idea elsewhere.

Note x: The King Sheet Piling (KSP®) system is covered by one or more patents or patent applications, including GB2463079. Copyright Balfour Beatty plc 2008. Contractors building a KSP wall must first ensure a license agreement is completed. More information is available at www.ksp-piling.co.uk.

Context

This guidance should be read together with the up-to-date material published at <http://www.ksp-piling.co.uk>