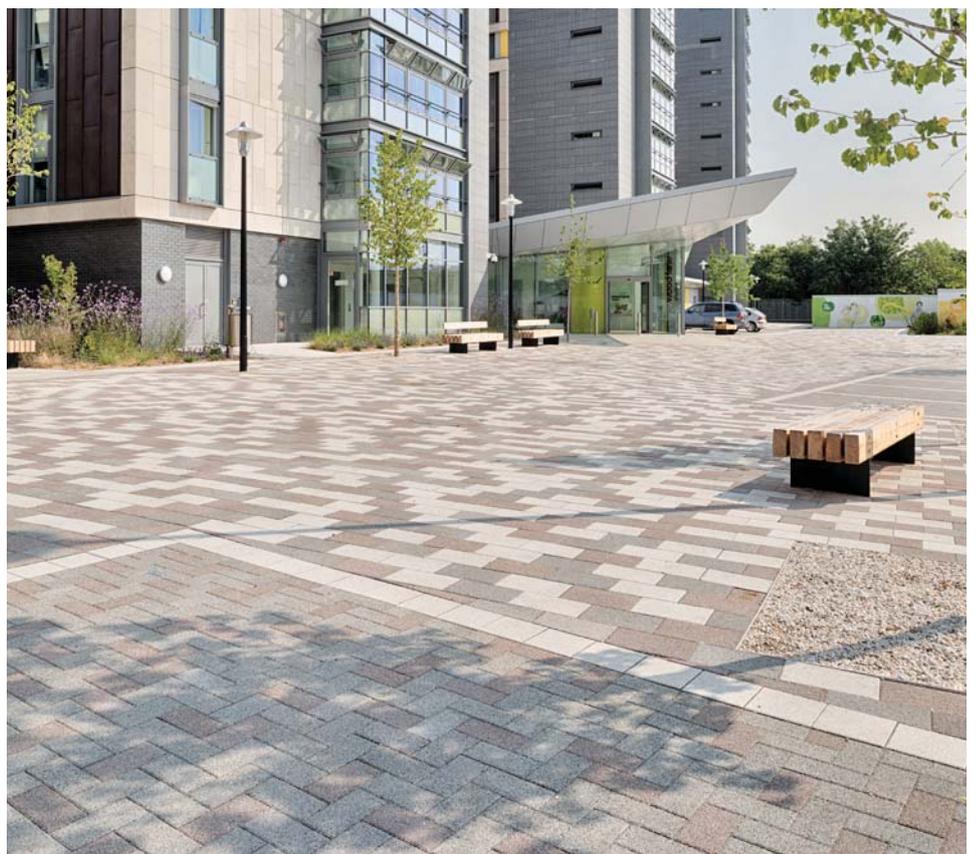


- 
- Inspired hard landscaping
  - Places for people
  - Water and urban design
  - Permeable paving & SuDS
- 

# HARD LANDSCAPE TODAY





LANGDON HOUSE

LANGDON HOUSE

# Hard Landscape and Interpave

**Interpave is the Precast Concrete Paving and Kerb Association, promoting and developing concrete block paving, flags, kerbs and related products – ranging from domestic uses to the most taxing heavy industrial applications.**

The Interpave website [www.paving.org.uk](http://www.paving.org.uk) provides the definitive source of background and technical information with project case studies celebrating the transformative power of inspired hard landscape in our cities. With precast concrete paving and kerbs, distinct, modular units and

designed variations in colour, texture and shape can break up areas giving visual interest and a human scale not possible with monotonous, formless materials.

Interpave manufacturers have developed this concept, moving away from simple, regular patterns and colours to expand an extensive palette of styles, shapes, colours and textures to meet current demands in urban design, matching – and often exceeding – the visual qualities of other materials.

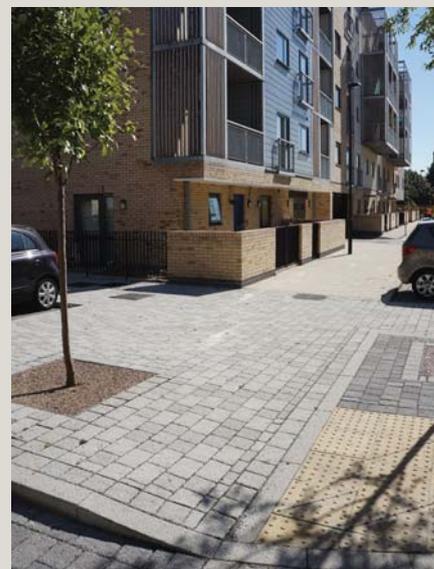


# Precast Concrete Paving

Link up with the latest project case studies and technical resource for all precast concrete paving via:  
[www.paving.org.uk/design](http://www.paving.org.uk/design)

- Visually attractive and able to deliver distinctive local character
- Helping to deliver 'Manual for Streets' and other guidance
- Capability for clear differentiation between distinct areas
- Accessible to all with consistent slip and skid resistance
- Durable and maintainable with reliable product supply
- Sustainable – in every sense

**A diversity of shapes, styles, finishes and colours for contemporary design.**

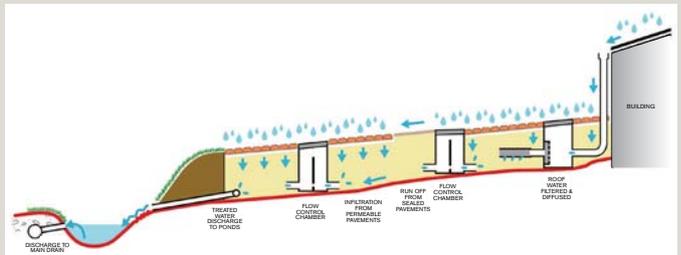
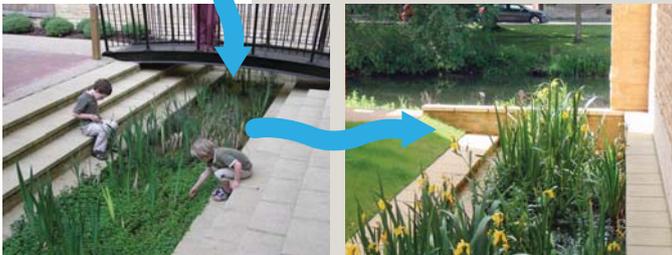


# Concrete Block Permeable Paving

Link up with the latest SuDS requirements, permeable paving guidance and projects via:  
[www.paving.org.uk/water](http://www.paving.org.uk/water)

- Reducing, attenuating & treating rainwater near the surface
- Direct infiltration to the ground or conveyance to SuDS
- Multi-functional SuDS meeting current requirements
- Low cost storage without land-take using flow controls
- Established technology with decades of proven performance
- Safe, level, puddle-free, shared surfaces for all

**A gradual supply of clean water for landscape, biodiversity & harvesting.**



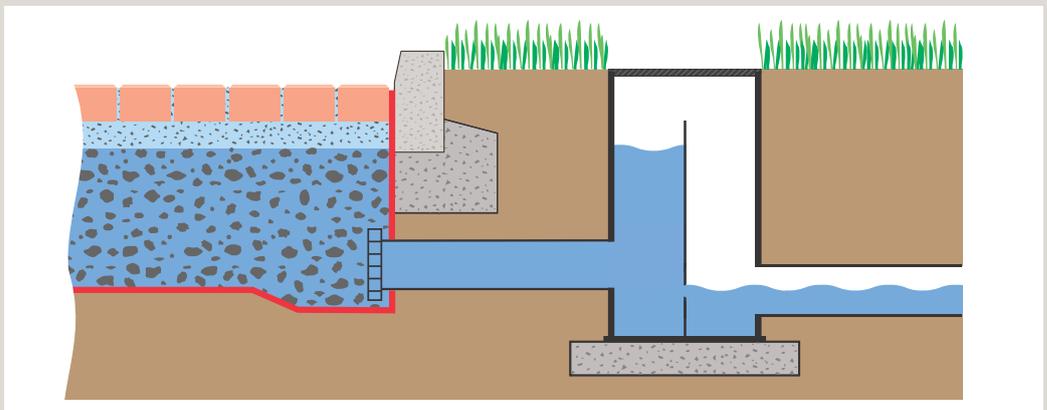
High-density housing in Stamford, Lincolnshire, where extensive concrete block permeable paving supplies planted canals with overflow directly to a river.

At the Hazeley Academy, Milton Keynes, water from permeable paving car parks feeds wildlife ponds where great crested newt populations are increasing.



See  
video  
here

Straightforward flow controls applied to outlets enable concrete block permeable paving to be used as discrete sub-catchments for demonstrable water storage, meeting local authority requirements. This approach cuts construction costs and can reduce land-take for storage features elsewhere on the project. It also optimises storage on sloping sites and increases treatment times for pollution removal from runoff.



# Precast Concrete and SuDS

**Interpave is the driving force behind the development of concrete block permeable paving as a sustainable drainage (SuDS) technique in the UK, promoting opportunities for innovative uses of water in urban design.**

These opportunities are generated by new government requirements for SuDS and enabled by concrete block permeable paving. The Government has now started implementing SuDS using the planning system.

Good design integrated with SuDS now becomes a priority with drainage engineering a supporting function, not an end in itself.

This is a clarion call for architects, master-planners and other designers to take the lead in developing multi-functional SuDS as an integral part of place shaping. Here, precast concrete products can be used in new ways to make SuDS work.



Photo: Warren Smith

“For too long, we have been designing water out of our towns and cities when we should have been designing it in.” – RIBA, 2014.



Bewdley School, Worcestershire – standard precast concrete units form rills handling rainwater from conventional concrete block paving and roofs – some via animated water features.



Australia Road, London – concrete block permeable paving laid over an existing road base collects rainwater and gradually discharges it horizontally into planted basins.



St George's School, Kidderminster - in addition to permeable paving, concrete flags, kerbs and edging have been used for carefully detailed SuDS conveyance, dispersing water and maintaining low flows, such as standard 'bull-nose' concrete kerbs allowing runoff to trickle onto grassed swales.



The SuDS schemes shown on pages 5–7 were designed by Robert Bray Associates.



# Interpave

THE PRECAST CONCRETE PAVING  
AND KERB ASSOCIATION



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