

SCHIEDEL

Chimney Systems



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The future of Chimneys ...is here.

The Schiedel Swift chimney system combines speed and ease of assembly with consistent quality.



A company of **LAFARGE**
ROOFING

JUNE 2005

The Schiedel Chimney Concept

Chimney systems have been an important feature in the European construction industry for many years and the benefits of the system are widely known. This has not been the case in the UK and Ireland where chimneys have commonly been constructed on site with components supplied by different manufacturers.

The Schiedel Swift is ideal for Open Fires, Stoves, Cookers and Central Heating Boilers.

Schiedel is Europe's largest supplier of chimney systems is part of Lafarge Roofing. In keeping with the standards expected from such a prestigious pedigree, the group is certified to EN ISO 9001.

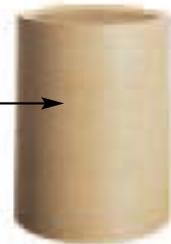


The concept involves a modular 3-layer insulated chimney system:

- **1st Layer:**
a high quality flue liner, made of fireclay, tested to EN1457.
- **2nd Layer:**
a flexible insulation board designed to maintain the temperature of the flue gases and allow them to pass freely up the chimney. It also allows the flue liner to expand and contract without damage.
- **3rd Layer:**
a lightweight chimney block which safely encases the whole system and provides additional insulation.

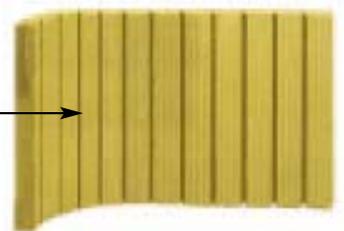
1st Layer

Quality flue liner



2nd Layer

Flexible insulation



3rd Layer

Lightweight chimney block



Schiedel Swift Open Fire

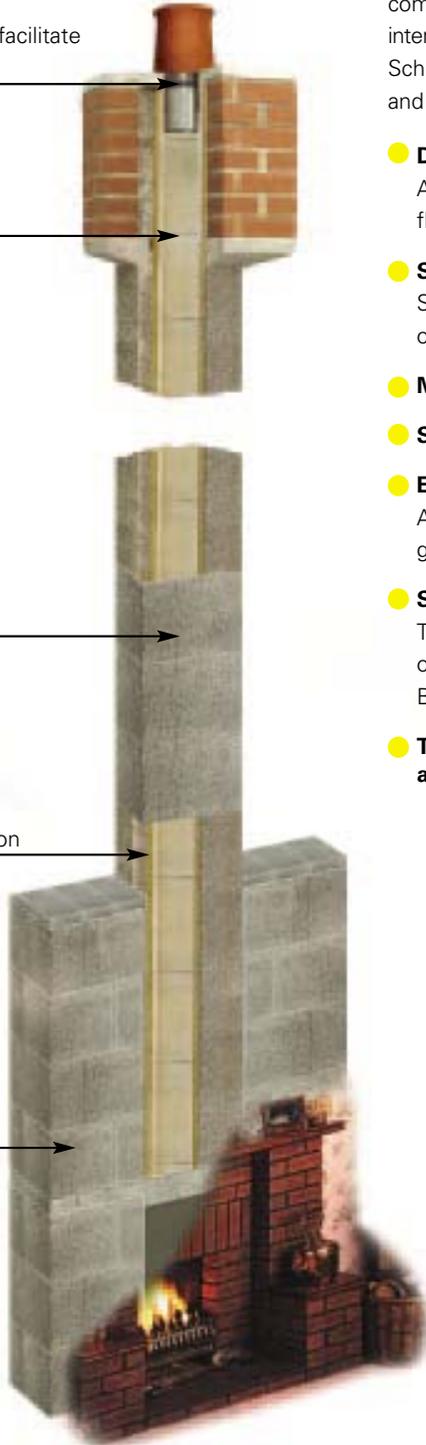
Expansion Plate to facilitate vertical expansion

High quality clay flue liner

Preformed chimney block

Continuous insulation

Schiedel Hollow Blocks



Traditionally, chimneys are completely constructed on site with separate components supplied by different manufacturers. This process is labour intensive and makes it difficult to ensure consistent insulation. By contrast the Schiedel Swift offers modular, prefabricated units to speed construction and facilitate consistent quality standards.

● **Designed for speed of construction**

An 8 meter internal chimney can be constructed from ground floor to chimney pot in 5 hours.

● **Suitable for Timber Frame, Steel Frame & Masonry construction**

Solutions have been specifically designed to meet the requirement of timber framed construction.

● **Modular units for easy assembly on site**

● **Suitable for all fuels - gas, oil, wood and solid fuels**

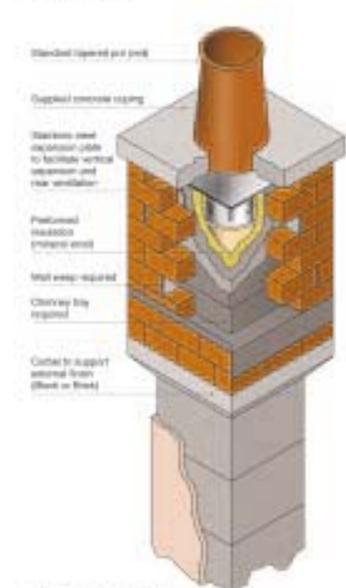
● **Everything you need**

All the components required to construct the chimney from the ground floor to the chimney pot are supplied on one or two pallets.

● **Superior Insulation**

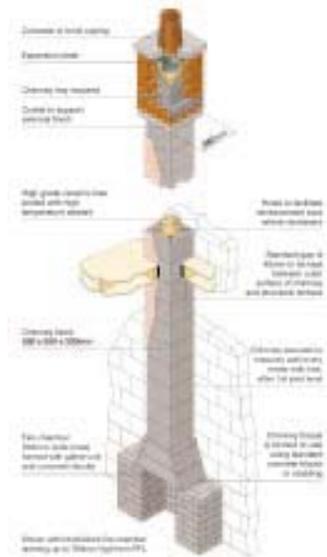
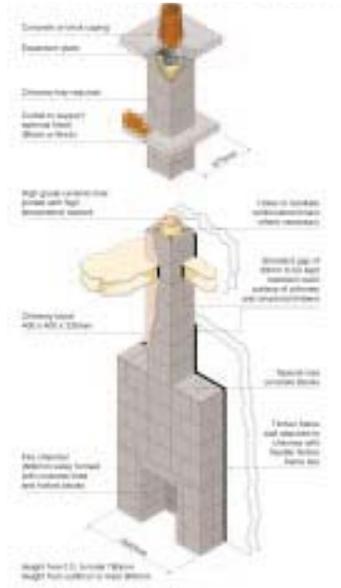
The consistency of the insulation maintains the temperature of the flue gases allowing them to pass freely up the chimney. Back filling of insulation is not required.

● **The use of a chimney tray (available as an accessory) is always recommended**



Note: For Truss Roofs
The distance between roof trusses needs to be at least 675mm to allow for the corbel.

The Open Fire Options

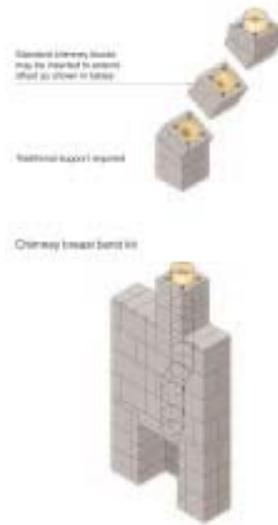
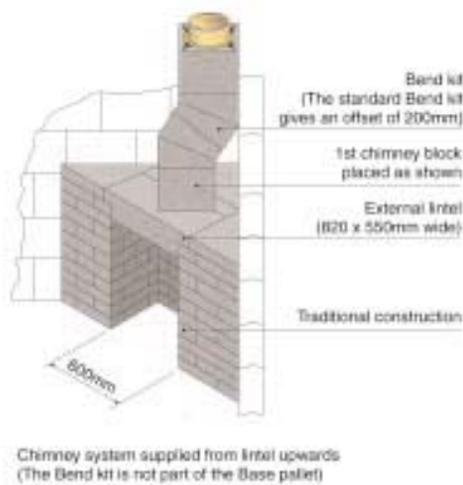


Internal Chimney

Internal Swift - Single chimney for timber frame, steel frame or masonry constructions. Available with a Corbel for 3 brick wide (675mm) brick or rendered stack or as a Plain Swift without the corbel (stack 400mm square). Strengthening bars only required if chimney is taller than 1.2m.

Larger Fire Openings (250 & 300mm flues)

250 & 300mm flue options for internal and external use. The fire openings and the chimney breast are constructed in the traditional manner. (Hollow block are not included.)



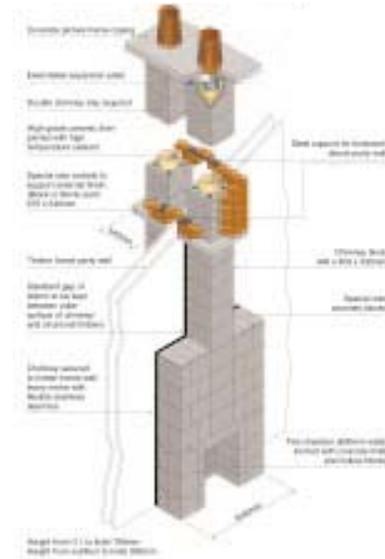
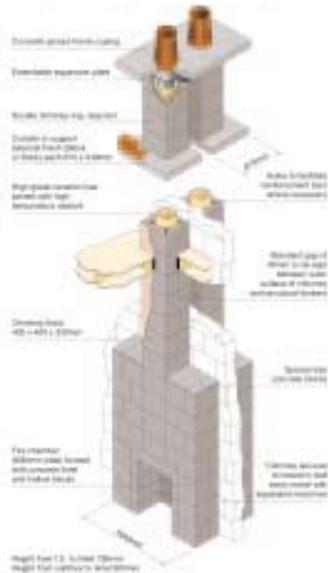
Corner Chimney

Corner Swift - A purpose made single chimney for timber frame, steel frame or masonry construction. The system starts from the lintel and includes a corbel for a brick or rendered stack. Requires a standard bend kit.

Bend Kits (Two bend kits are available)

The Breast Bend Kit allows the flue to be moved 200mm in the chimney breast.
The Standard Bend Kit allows the flue to be moved horizontally as far as required, so long as it is supported in the traditional manner.

Chimney Systems

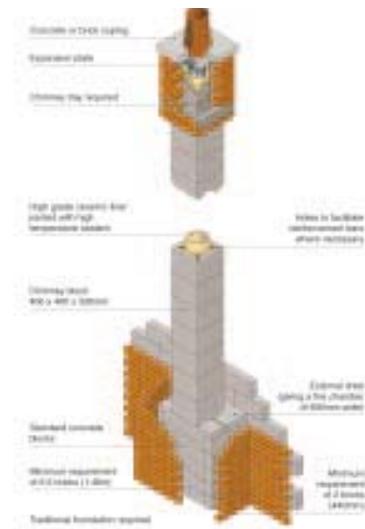
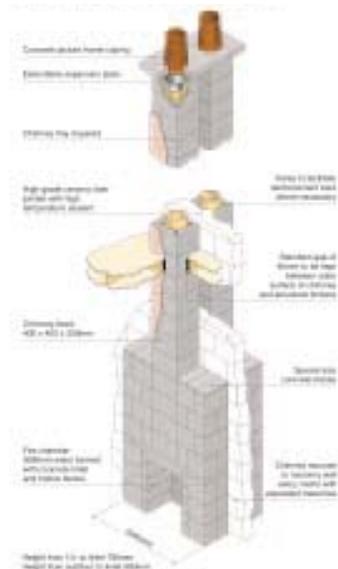


Back to Back Swift - Masonry Construction

Back to Back Swift Masonry Construction - Suitable for two chimneys to be constructed on either side of a masonry party wall and coming together in one stack. Corbel provided for brick or rendered stack. Strengthening bars only required if stack is taller than 1.2m.

Back to Back Swift - Timber Construction

Back to Back Swift Timber Frame & Steel - As for masonry construction but enables the chimney to be built without breaking into a timber frame party wall.



Back to Back Plain Swift

Back to Back Plain Swift - Suitable for timber framed, steel framed and masonry construction. Used for 2 Chimneys to be constructed on either side of a masonry party wall when a corbel is not required. Strengthening bars are always required.

External Swift

External Swift - Suitable for a single chimney where the chimney is on the outside of the building. A bend kit can be used to tumble in on one side.

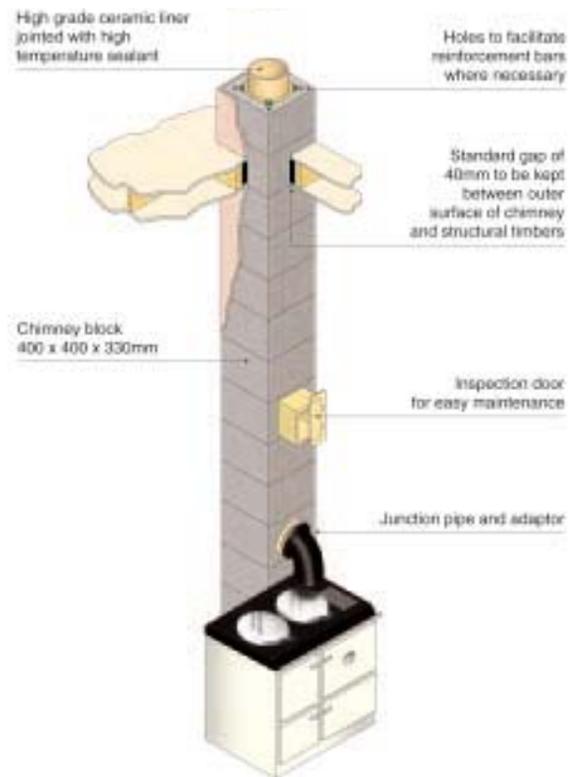
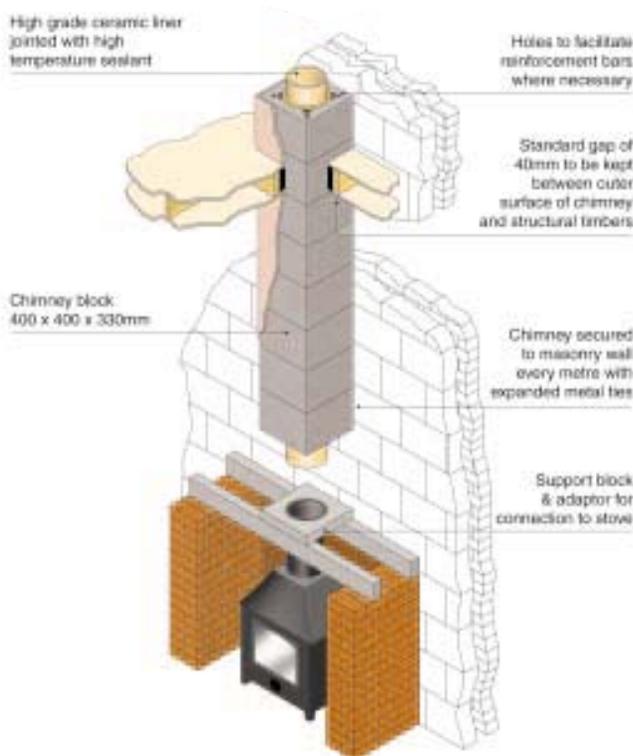
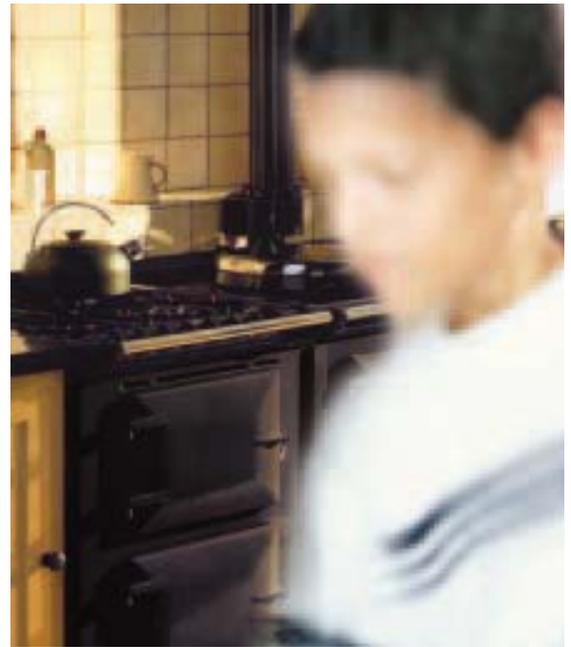
Schiedel Swift Stoves, Cookers & Boilers

The Schiedel Swift is also an ideal solution for stoves, cookers and central heating boilers.

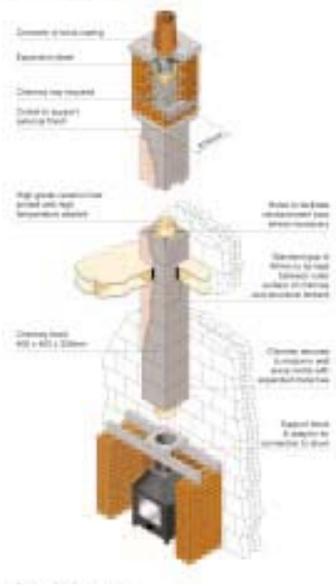
Neat and simple solutions suit a variety of installations. Shown below are the solutions for a stove and a range style cooker.

These options offer all the benefits of the Open Fire solutions along with tailor made components to simplify construction.

The accessories on the stoves, cookers and boiler systems include preformed junction pipes and inspection doors for ease of maintenance.

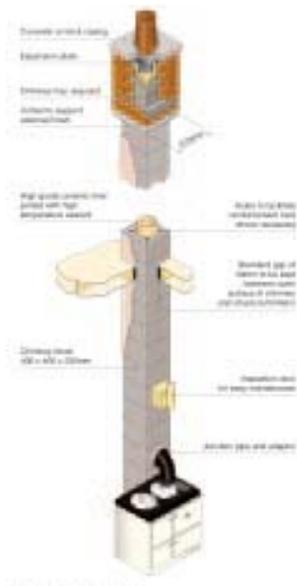


Chimney Systems



Stoves

Chimney system to suit oil burning and solid fuel stoves.



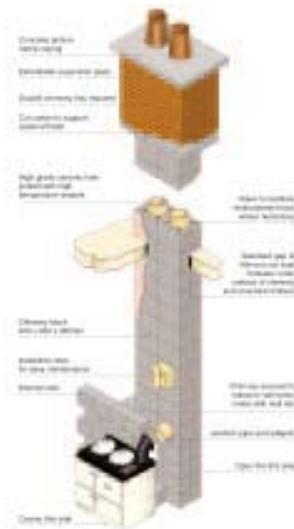
Cookers

Chimney system for cookers.



Multi

The multi is designed for use in apartments. Up to 10 room-sealed boilers can be connected to the one chimney.



Internal Combination

A combination system allowing an internal open fire chimney and a stove and boiler system to be combined in the one chimney stack. The open fire and stove/boiler can be on either side of a dividing wall. The solution shown is for cookers.



Avant

The Avant is for low temperature condensing boilers in individual homes. It can be used with room-sealed and open appliances.

The Schiedel Swift System

- All the materials needed to construct the chimney from the base to the chimney pot are supplied as part of a pack. This includes the blocks for the chimney breast and lintel in the open fire option. The pack for a standard chimney can be fitted on two pallets.
- All the blocks are supplied as part of the pack and are lightweight and made to fit together.
- Unlike standard blocks, Schiedel chimney blocks have insulation properties.
- The high quality fireclay flue liner complies with the European Standard EN1457.
- An expansion plate allows for vertical expansion and the insulation in the system permits horizontal expansion.
- A high temperature ceramic sealant is provided in tubes for ease of application.
- The consistency of the insulation properties helps maintain the temperature of the flue gases, allowing them to pass freely up the chimney.
- Suitable for timber frame and traditional construction.



Base pallet



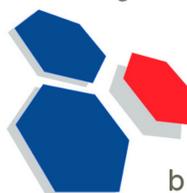
Extension pack

The benefits

- **Speed**
The chimney system is designed in modular units which can be quickly assembled on site, significantly reducing the chimney construction time. The complete system for a standard chimney is supplied on two pallets, ready to be built.
- **Safety**
The high temperature sealant offers greater protection against leaks. The higher insulation properties of the 3-layer system minimises condensation, reducing the likelihood of chimney fires and moisture staining on the chimney breast.
- **Multi Fuel**
Schiedel Swift is suitable for all fuels - gas, oil and solid fuel.



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