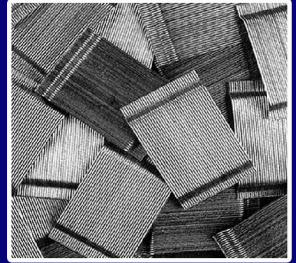
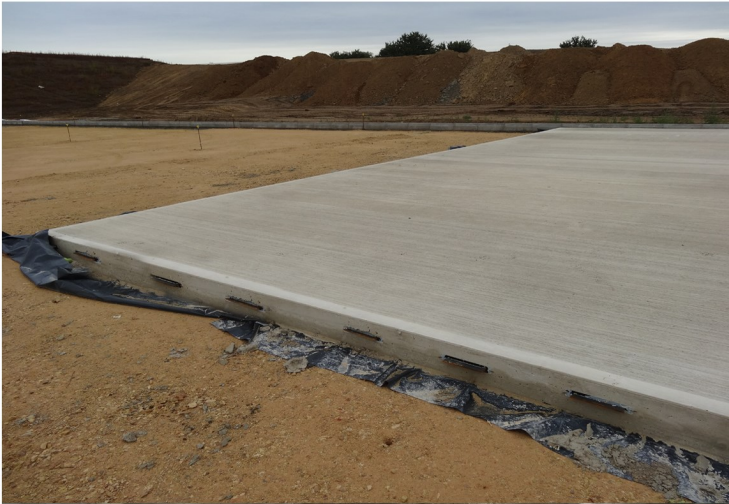




ADFIL
Construction Fibres



ADFIL® SF PAVE
ADFIL® SF FLOOR
Steel Fibre
Paving Systems
for
External & Internal
Applications



Scan here for additional information

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www.adfil.com

Adfil® SF Floor

Flooring System for Internal Applications



Background

Adfil Construction Fibres have a proven system of Steel fibre reinforced concrete for use in internal areas, replacing the need for traditional steel mesh fabric. **Adfil® SF Floor** uses Adfil SF86 steel fibre ready mixed into a designated grade of concrete to ensure consistent and reliable performance for the customer every time.

Application Areas

Adfil® SF Floor can be used in a wide variety of industrial and domestic applications:

- General industrial flooring
- Workshops
- Agricultural buildings
- Domestic floors
- Warehouses

The Key Features & Benefits

Adfil® SF Floor will give the following benefits when compared to traditional steel mesh reinforcement construction:

- Ease of construction and reduced construction time
- The risk of reinforcement being placed incorrectly is eliminated as it is contained within the delivered concrete, at the correct dosage to ensure the required performance
- Elimination of significant Health & Safety hazards associated with the handling, cutting and fixing of steel mesh reinforcement
- A significant reduction in embedded carbon (60%) when compared to steel mesh construction
- Can provide an overall cost saving compared to traditional construction methods



Adfil® SF Floor can be used in a wide variety of Internal Applications



A quality power float finish is easily achieved with the **Adfil® SF Floor** system

Installation

Adfil® SF Floor can be placed using conventional techniques such as direct discharge, skip or pump. There are no specialist handling requirements. To ensure the optimum performance of the end product, best practice compaction, finishing and curing techniques should be observed. It is strongly recommended that a curing membrane be applied to the concrete surface immediately after finishing to control moisture and ensure the concrete reaches its required strength specification.

*use of information see page SB-ENG-Adfil® SF Floor -UK-01/2021 statement

Adfil® SF Floor

Flooring System for Internal Applications



Cost Savings

Using **Adfil® SF Floor** can result in significant savings on the cost of traditional steel mesh reinforcement in addition to those associated with faster and easier installation.

The following table shows typical savings compared to the use of the common steel mesh types:

Solution	Traditional Steel Mesh Reinforcement Type			
	A142	A193	A252	A393
Adfil® SF Floor 140	5%	7%	12%	20%
Adfil® SF Floor 170	3%	5%	9%	14%
Adfil® SF Floor 200	1%	3%	6%	10%

Table showing indicative cost savings compared to traditional mesh types using 10Kg m3 of Adfil® SF86

Technical Information

Adfil® SF Floor can be specified and installed based upon the following load and construction recommendations, complying with the stated design assumptions noted below:

Solution	Minimum Slab Thickness (mm)	Maximum Point Load (T)	Maximum Fork-lift Capacity (T)	Maximum Wall Load (T)	Maximum Joint Spacing (m)
Adfil® SF Floor 140	140	2	2	2	6
Adfil® SF Floor 170	170	3	3	3	6
Adfil® SF Floor 200	200	4	4	4	6

DESIGN ASSUMPTIONS: Concrete grade C25/30 & 10Kg m3 of Adfil® SF86 Minimum Minimum sub-grade CBR = 5%;

Point load applied on base of minimum dimensions 125mm x 125mm

Joint recommendations can be obtained via the full flooring guide

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Adfil® SF Pave

Paving System for External Applications



Background

Adfil Construction Fibres have a proven system of Steel fibre reinforced concrete for use in internal areas, replacing the need for traditional steel mesh fabric. **Adfil® SF Pave** uses Adfil SF86 steel fibre ready mixed into a designated grade of concrete to ensure consistent and reliable performance for the customer every time.

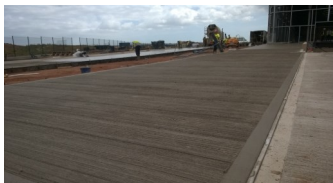
Application Areas

Adfil® SF Pave can be used in a wide variety of external applications:

- External ground supported slabs for pavements, yards and hard standings
- Farmyards and Agricultural roadways
- Car parks
- Domestic driveways



Direct discharge into formwork will reduce construction time



Large areas can be poured without having to negotiate in-situ steel mesh

The Key Features & Benefits

Adfil® SF Pave will give the following benefits when compared to traditional steel mesh reinforcement construction:

- Ease of construction and reduced construction time
- The risk of reinforcement being placed incorrectly is eliminated as it is contained within the delivered concrete, at the correct dosage to ensure the required performance
- Elimination of significant Health & Safety hazards associated with the handling, cutting and fixing of steel mesh reinforcement
- A significant reduction in embedded carbon (60%) when compared to steel mesh construction.
- Can provide an overall cost saving compared to traditional construction methods.

Installation

Adfil® SF Pave can be placed using conventional techniques such as direct discharge, skip or pump. There are no specialist handling requirements. To ensure the optimum performance of the end product, best practice compaction, finishing and curing techniques should be observed. It is strongly recommended that a curing membrane be applied to the concrete surface immediately after finishing to control moisture and ensure the concrete reaches its required strength specification.

*use of information see page SB-ENG-Adfil® SF Pave -UK-09/2020 statement



Adfil® SF Pave

Paving System for External Applications



Cost Savings

Adfil® SF Pave can be used in a wide variety of external applications. Using **Adfil® SF Pave** can result in significant savings on the cost of traditional steel mesh reinforcement in addition to those associated with faster and easier installation.

The following table shows typical savings compared to the use of the common steel mesh types:

Solution	Traditional Steel Mesh Reinforcement Type			
	A142	A193	A252	A393
Adfil® SF Pave 140	5%	7%	12%	20%
Adfil® SF Pave 170	3%	5%	9%	14%
Adfil® SF Pave 200	1%	3%	6%	10%

Table showing indicative cost savings compared to traditional mesh types using 10Kg m3 of Adfil® SF86

Technical Information

Adfil® SF Pave can be specified and installed based upon the following load and construction recommendations, complying with the stated design assumptions noted below:

Solution	Minimum Slab Thickness (mm)	Maximum Traffic Loadings	Maximum Joint Spacing (m)
Adfil® SF Pave 140	140	LGV / Car 3.5T 2 Axles	6
Adfil® SF Pave 170	170	HGV 40T 5 Axles	6
Adfil® SF Pave 200	200	HGV / Trailer 44T 6 Axles	6

DESIGN ASSUMPTIONS: Concrete grade C32/40 & 10Kg m3 of Adfil® SF86 Minimum sub-grade CBR = 5%;
LGV/HGV data from UK Department of Transport 2003; For loadings outside these parameters contact **Adfil** for specialist advice

Joint recommendations can be obtained via the full paving guide

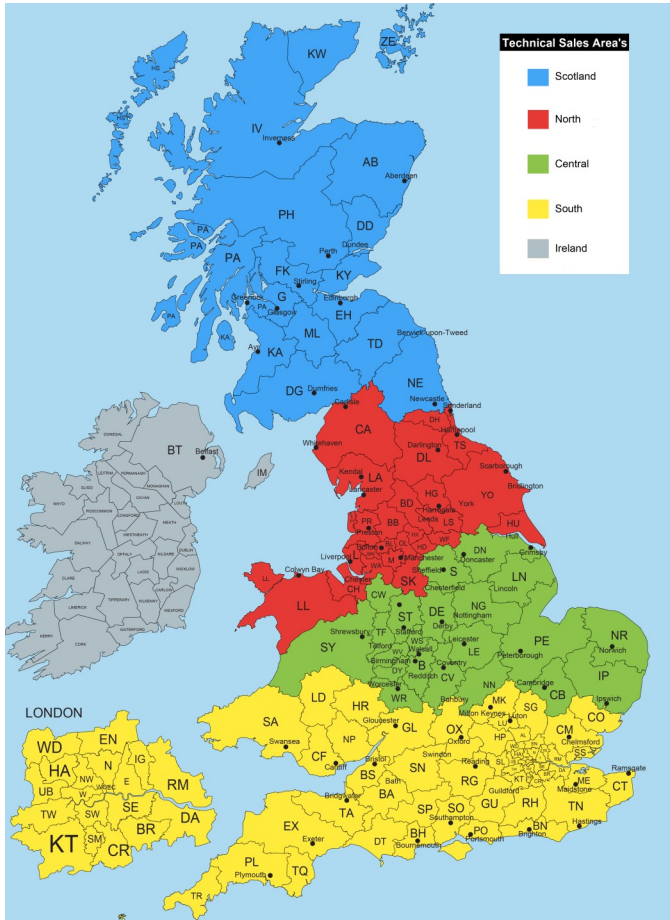
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UK Technical Sales Areas

Assistance



For any assistance please contact one of the following to get appropriate technical support:

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