

F13 Knauf Vidifloor Dry Screed

F134 - Knauf Vidifloor SOLO

F135 - Knauf Vidifloor DUO

F13 Knauf Vidifloor Dry Screed

Fields of Application / Technical Data and Building Physics Data



Knauf Vidifloor Units System F134 and Vidifloor Boards System F135 are dry screed systems

Knauf Vidifloor F134 consists of monolithic manufactured gypsum fibre units with milled tiers.

Knauf Vidifloor F135 consists of two layers of monolithic manufactured gypsum fibreboards that are glued and stapled to each other on building site.

Fields of application
<ul style="list-style-type: none"> for residential buildings, offices, schools, hospitals etc. depending on imposed loads and the floor substructure for interior application including domestic bathrooms and kitchens
Suitable for:
<ul style="list-style-type: none"> for floor heating: F134 Vidifloor Units and F135 Vidifloor Boards Chair roll resistance: F134 Vidifloor Units and F135 Vidifloor Boards: with a layer of ≥ 2 mm Knauf Nivellierspachtel 415 pre fabricated parquet flooring and mosaic parquet flooring parquet flooring on insulation layer carpets, PVC and linoleum flooring stoneware tiles max. 33 cm x 33 cm
<ul style="list-style-type: none"> Knauf Vidifloor F134 Floor Units and F135 Floor Boards are suitable for the use in interior domestic damp areas (bathrooms and kitchens). Suitable water protection measures are necessary.

Thermal conductivity W/(mK)		
Knauf F134 Vidifloor Units	λ_R	0.30
Knauf F135 Vidifloor Boards	λ_R	0.30
EPS	λ_R	0.04
Wood fiber WF	λ_R	0.055
Knauf dry levelling fill PE	λ_R	0.14
Dry levelling fill expanded clay	λ_R	0.14

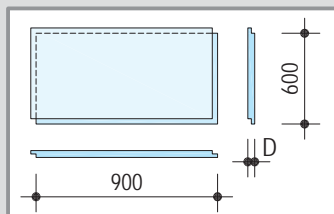
Vidifloor reaction to fire according to EN 13501-1:
Fire classification: A2 - s1, d0

Water vapor diffusion coefficient		
Knauf F134 Vidifloor Units	μ	21
Knauf F135 Vidifloor Boards	μ	21
EPS	μ	30 - 70
Wood fiber WF	μ	appr. 5
Knauf levelling fill PE	μ	1 - 2
levelling fill expanded clay	μ	

Pre-fab Screed Portfolio	Technical Data			Thermal Resistance	Vapour diffusion equivalent to air layer thickness s_d - Wert m	Material number	Packaging units pallets
Type of product according to EN 15 283-2	Dimensions Unit / Boards	Total thickness D	Weight Unit/ Boards appr. kg/m ²	m ² K/W			
Scheme diagrams not to scale	mm	mm					

F134 Knauf Vidifloor Units

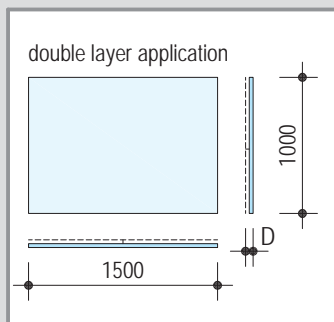
Installation: 900 / 600 mm



	1 x 18 18 gypsum fiberunit	18	23,5	0.05 - 0.06	0.38	00153502	40 pcs. / pallet
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F135 Knauf Vidifloor Boards

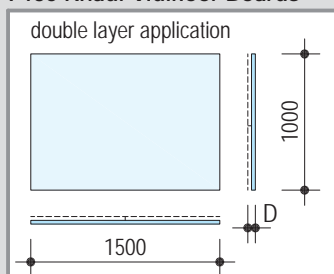
Installation: 1500 / 1000 mm



	2 x 10 2 x 10 gypsum fiberboards	20	24	0.12	0.42	00006964	70 pcs / pallet
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F135 Knauf Vidifloor Boards

Installation: 1500 / 1000 mm



	2 x 12.5 2 x 12.5 gypsum fiberboards	25	30	0.12	0.52	00006966	60 pcs / pallet
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F13 Knauf Vidifloor Dry Screed

Mechanical Resistance - Knauf Vidifloor Units and Boards



Floor constructions for various fields of application and live loads

Categories of use and loaded areas according to EN 1991-1-1	Imposed loads according to EN 1991-1-1		Load bearing layer	Optional configuration below load bearing layer				
	Uniformly distributed load q_k	Concentrated load Q_k		Thickness in mm				
			Thickness in mm	1	2	3	4	5
				Mineral wool MW	Dry levelling fill	Dry levelling fill + Knauf plasterboard 9.5	Wood fiber WF	EPS ≥ 100 kPa

Category A Rooms in residential buildings and houses; bedrooms and wards in hospitals; bedrooms in hotels and hostels; kitchens and toilets Category B B1 Office areas in existing buildings	2 kN/m ²	2 kN	18	Vidifloor F134 (1 x 18.0 mm)	to 10	-	20 to 50	10 to 20	to 100
			20	Vidifloor F135 (2 x 10.0 mm)	to 10	20 to 50	-	10 to 20	to 100
Category B B2 Office areas in office buildings Category C * C1 Areas with tables etc., e. g. areas in schools, cafes, restaurants, dining halls, reading rooms, receptions. C2 Areas with fixed seats, e.g. areas in churches, theatres or cinemas, conference rooms, lecture halls, assembly halls, waiting rooms, railway waiting rooms	3 kN/m ²	3 kN	25	Vidifloor F135 (2 x 12.5 mm)	-	20 to 50	-	10 to 20	to 100
			30,5	Vidifloor F134 (18 + GKB 12.5)	-	20 to 50	-	10 to 20	to 100
C3 Areas without obstacles for moving people, e.g. areas in museums, exhibition rooms etc. and access areas in public and administration buildings hotels, hospitals, railway waiting rooms	4 kN/m ²	4 kN	36	Vidifloor F134 (2 x 18.0 mm)	-	-	-	10 to 20	-
C5 Areas susceptible to large crowds, e.g. in buildings for public events like concert halls, sport halls including stands, terraces and access areas and railway platforms Category D D1 Areas in general retail shops	5 kN/m ²	4.5 kN	36	Vidifloor F134 (2 x 18.0 mm)	-	-	-	10 to 20	-

* Attention is drawn in particular to category C5. See EN 1990 when dynamic effects need to be categorised.

NOTE 1:

Depending on their anticipated uses, areas likely to be categorised as C2 and C3 may be categorised as C5 by decision of the client and/or National annex.

NOTE 2:

The National annex may provide sub categories to A, B, C1 to C5 and D1

NOTE 3:

For the categorisation of loaded areas characteristic values q_k (uniformly distributed load) and Q_k (concentrated load) are used. The above given values for q_k and Q_k are recommended values. Q_k is intended for determination of local effects whereas q_k is intended for determination of general effects.

The National annex of EN 1991-1-1 may define different conditions of use of the above table for categories of use.

Where necessary increased values of q_k and Q_k should be considered (e.g. for stairs and balconies depending on the occupancy and on dimensions).

According to EN 1991-1-1 for local verifications a concentrated load Q_k acting alone should be taken into account. The concentrated load shall be considered to act at any point on the floor, balcony or stairs over an area with a shape which is appropriate to the use and form of the floor.

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Impact sound insulation in connection with massive floors



The calculation of the impact sound insulation with on massive floors should be done according to EN 12354 - 2. The following table shows the impact sound reduction ΔL that is stated for various floor constructions.

Floor construction	Load bearing layer + Layers beneath the load bearing	Total thickness mm	Massive floor		Proof
			Calculation value $\Delta L_{w,R}$ (dB)	Test result $\Delta L_{w,P}$ (dB)	
	<ul style="list-style-type: none"> • Vidifloor F134 / 18 mm • 20 mm EPS 	38	17	19	ita 0034.04
	<ul style="list-style-type: none"> • Vidifloor F135 / 2 x 10 mm • 20 mm EPS 	40	15	17	ita 0119.98
	<ul style="list-style-type: none"> • Vidifloor F135 / 2 x 12.5 mm • 20 mm EPS 	45	15	17	Calculation
	<ul style="list-style-type: none"> • Vidifloor F134 / 18 mm • 10 mm mineral wool / wood fiber 	28	17	19	ita 0034.04
	<ul style="list-style-type: none"> • Vidifloor F135 / 2 x 10 mm • 10 mm mineral wool / wood fiber 	30	18	20	ita 0120.98
	<ul style="list-style-type: none"> • Vidifloor F135 / 2 x 12.5 mm • 10 mm mineral wool / wood fiber 	45	20	22	Calculation
	<ul style="list-style-type: none"> • Vidifloor F135 / 2 x 12.5 mm • 20 mm mineral wool / wood fiber 	45	26	28	ita 0123.98
	<ul style="list-style-type: none"> • Vidifloor F134 / 18 mm • + F135 / 1 x 12.5 mm • 10 mm mineral wool / wood fiber 	40.5	19	21	ita 0034.04
	<ul style="list-style-type: none"> • Vidifloor F134 / 18 mm • + 9.5 mm GKB¹⁾ 	57.5	20	22	Calculation
	<ul style="list-style-type: none"> • 30 mm dry levelling fill 	67.5	22	24	SDM 09026-02-DT
	<ul style="list-style-type: none"> • 50 mm dry levelling fill 	77.5	24	26	Calculation
	Vidifloor F135 / 2 x 10 mm				
	<ul style="list-style-type: none"> • 30 mm dry levelling fill 	50	19	21	Calculation
	<ul style="list-style-type: none"> • 40 mm dry levelling fill 	60	21	23	Calculation
<ul style="list-style-type: none"> • 50 mm dry levelling fill 	70	23	25	Calculation	
	Vidifloor F135 / 2 x 12.5 mm				
	<ul style="list-style-type: none"> • 30 mm dry levelling fill 	55	20	22	Calculation
	<ul style="list-style-type: none"> • 40 mm dry levelling fill 	65	22	24	Calculation
<ul style="list-style-type: none"> • 50 mm dry levelling fill 	75	24	26	Calculation	

Material used for testing	<ul style="list-style-type: none"> • Wood fiber WF: density 240 kg/m³; dynamic stiffness 40 MN/m³ • EPS: EPS \geq 100 kPa according to EN 826 • Dry levelling fill expanded clay : density approx. 655 kg/m³ • mineral wool MW: density 180 kg/m³, for residential buildings etc. distributed load 2 kN/m², concentrated load 2 kN <p>Use only panels that are permitted by the mineral wool manufacturer for the use with gypsum based pre-fab floor screed</p> <p>General max. compressibility 1 mm</p>
Notes on the table	<p>1) apply covering board on dry levelling fill (Knauf plasterboard \geq 9.5 mm)</p> <ul style="list-style-type: none"> • The values are valid for on-site assembly

F134 Knauf Vidifloor Solo Dry Screed

Laying and application



Application

- on separating layer / on insulation / on dry levelling fill

↑ = laying direction

- **Connection to wall, 1st row of units**
Cut off tier at connection to wall

- **Application on separating layer / insulation / dry levelling fill**
Start laying at the wall opposite to the door, from left hand side.
At door areas the Vidifloor F134 units can be installed without extra joints (possible joints at the door area should be underlaid with chipboards).

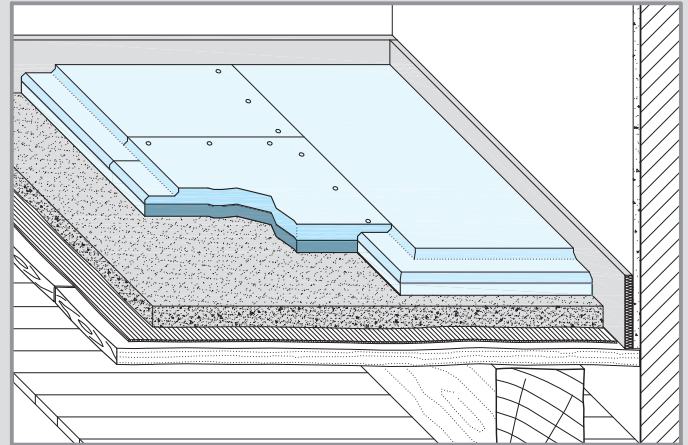
On the dry levelling fill a covering layer of gypsum boards is obligatory (e.g. Knauf plaster board 9.5 mm). Lay the F134 units on the covering layer. Stagger all continuous joints of both layers at least 20 cm.

- **Multi-layer application**
All continuous joints of upper and lower layers should be staggered at least for 20 cm .
Application of two or more dry screed units or boards:
Start upper layer with 1/4 unit or board.
If required conglomerate Vidifloor layers with Uniflott (notched trowel) or Vidifloor Flächenkleber (surface adhesive) and staple. Spacing of fasteners (screws or staples) in both directions ≤ 300 mm.
Application of F134 / 18 mm on F135 / 12,5 or 10 mm:
Lay floorboards alternating latera l and longitudinal. Lay F134 units subsequently lateral to laying direction of F135 boards.

F134 on F134

F134 on F135 / 12,5 mm

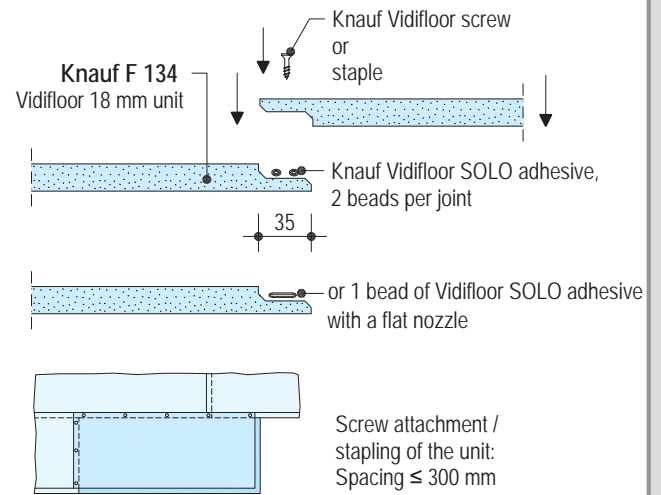
■ = upper layers ■ = lower layers



• F134 Knauf Vidifloor Solo Unit

Glue + screw attachment / stapling

Connecting units by glue + screws/ staples



Screws / staples / tools

- F134: **Vidifloor screw 17 mm** (Material no. 00067067)
Puppenpistol (Material no. 00006978)
(flat nozzle packed with the tier adhesive)

Staples for compressed air application (no Knauf products)

Length:	Diameter of staple wire:
F 134: 14 -16 mm	≥ 1.2 mm

Examples:

Manufacturer: **Type:**

Haubold	KL 515
Paslode	N18-16
Senco	SLS20-M16

Staplers: (no Knauf products)

- Compressed air stapler
- or
- Electro stapler:
Novus J-172 A:
Maestri MET 32:

F134 Knauf Vidifloor Solo Dry Screed

Vertical sections



Details, scale 1:5

<p>F134 - V1 Connection to metal stud partition</p>	<p>F134-V6 Two layers of F 134, joint of units</p> <p>multi-layer application, conglutinated and stapled</p>
<p>F134-V2 Connection to wall in moist rooms</p>	<p>F134-V3 Connection to wall, wood joist ceiling</p>
<p>F134-V2 Pipes in insulation layer with soil contact</p>	<p>F134-V4 Height compensation with dry levelling fill</p>
<p>F134-V3 Joint of units at door area on EPS</p>	<p>F134-V4 Movement joint with floor heating</p>

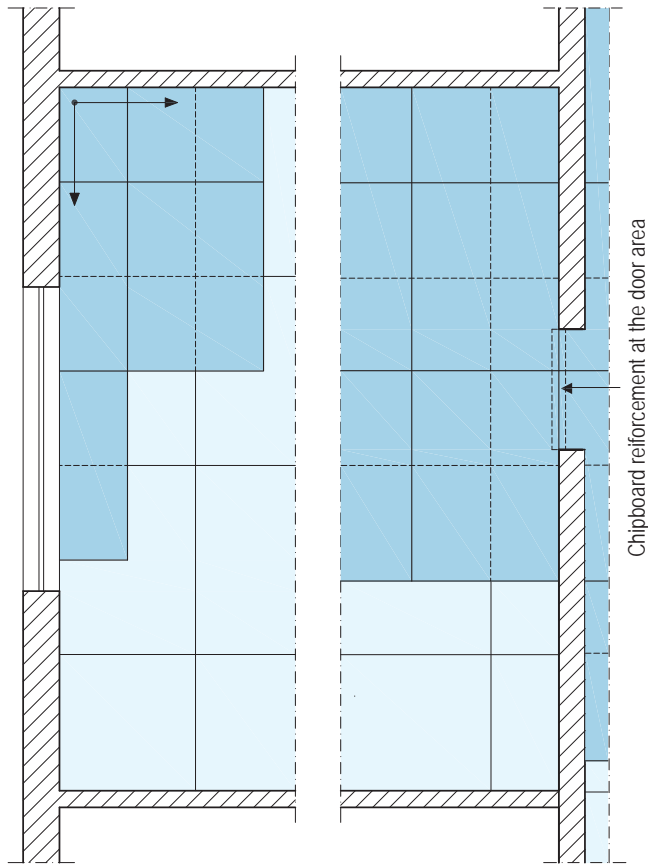
F135 Knauf Vidifloor Duo Dry Screed

Laying and application



Application

- on separating layer / on insulation / on dry levelling fill



→ = laying direction

□ = 1st board layer □ = 2nd board layer

- Application on separating layer / insulation / dry levelling fill

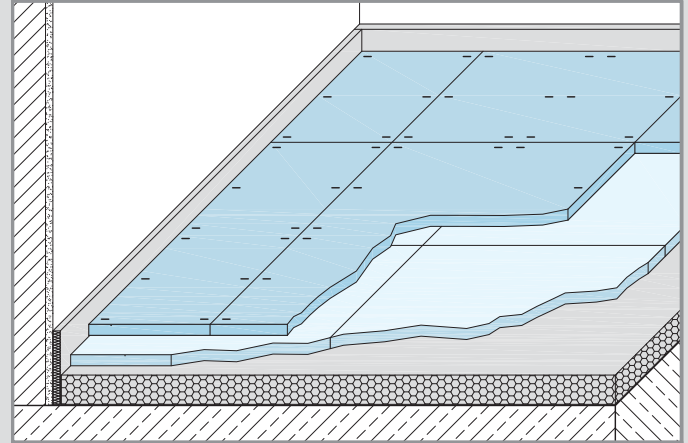
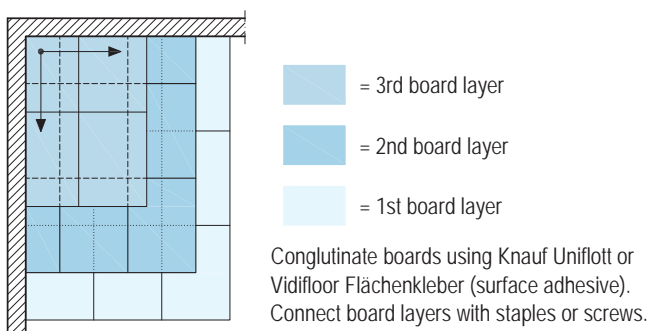
Start laying at the wall opposite to the door, from left hand side.
At door areas the F135 Boards can be installed without extra joints (possible joints at the door area should be underlaid with chipboards).

Stagger all continuous joints of both layers at least 20 cm.
Start upper layer with 1/4 Vidifloor F135 Board.

- Triple-layer application

In case of triple-layer application stagger joints of all three layers to each other

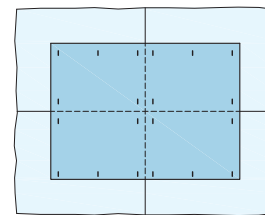
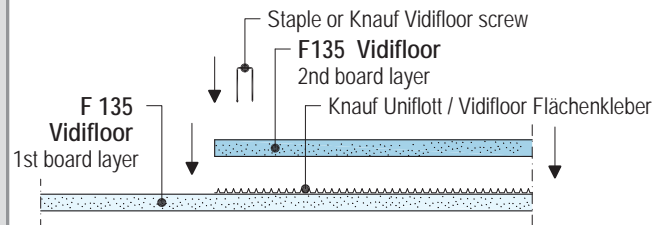
Example (see drawing):
Apply first and second layer as shown in laying scheme above. Trim all further boards of the third layer accordingly and lay them in a cross joint pattern.



- F135 Knauf Vidifloor Duo Board

Glue + screw attachment / stapling

Connecting boards by means of surface glue + screw attachment / stapling



Screw attachment / stapling
appr. 30 staples / m² floor area

Screws / staples / tools

Notched trowel for surface adhesive (Material no. 00004696)
Replacement notch bead (notching B3): (Material no. 00004697)

Screws for F135 (2 x 12.5 mm):

Vidifloor screws L = 22 mm: (Material-Nr. 00006974)

Screws for F135 (2 x 10.0 mm):

Vidifloor screws L = 17 mm: (Material-Nr. 00006973)

Staples for compressed air application: (no Knauf products)

Length for F135 / 2 x 12.5 mm:
20 - 23 mm

Length for F135 / 2 x 10.0 mm:
14 - 16 mm

Examples: Diameter of staple wire: ≥ 1.2 mm

Manufacturer:	Type:	Manufacturer:	Type:
Haubold	KG 722 CDnk	Haubold	KL 515
Paslode	S 16 1/8" CD	Paslode	N18 - 16

Staplers: (no Knauf products)

- Compressed air stapler

or

- Electro stapler:
Novus J-172 A
Maestri MET 32

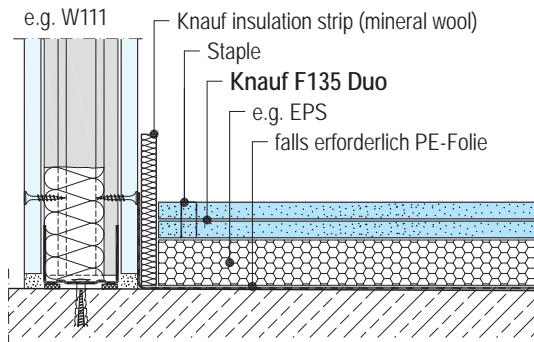
F135 Knauf Vidifloor Duo Dry Screed



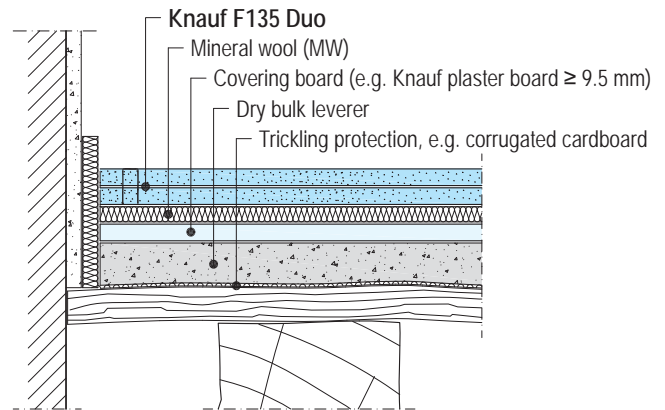
Vertical sections

Details, scale 1:5

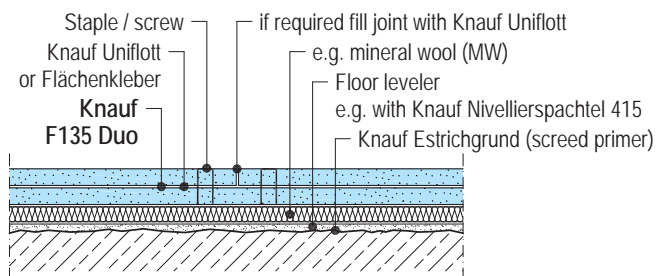
F135-V1 Connection to wall, solid ceiling



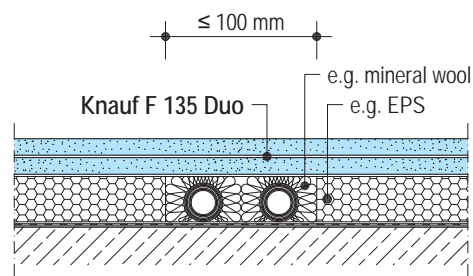
F135-V10 Connection to wall, wood joist ceiling



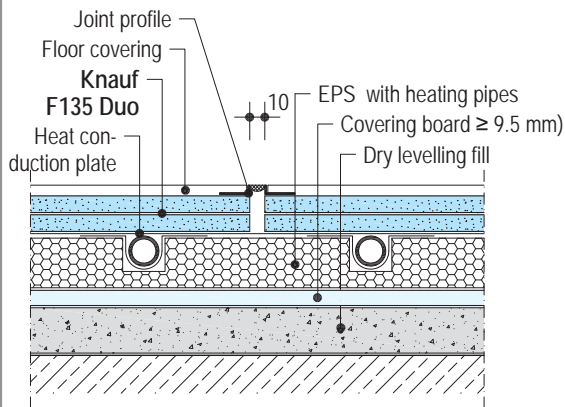
F135-V2 Joint of boards



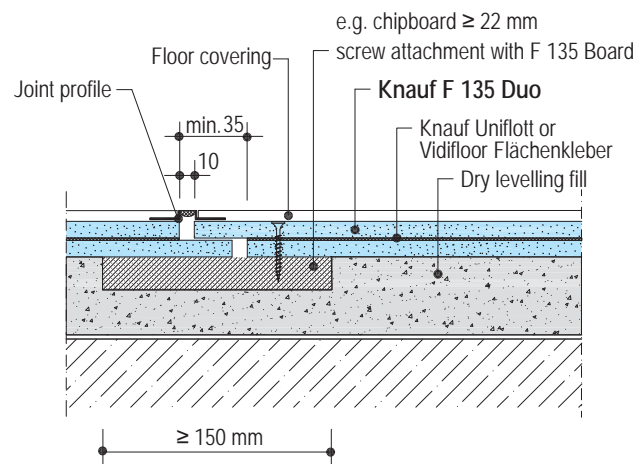
F135-V11 Pipes in insulation layer



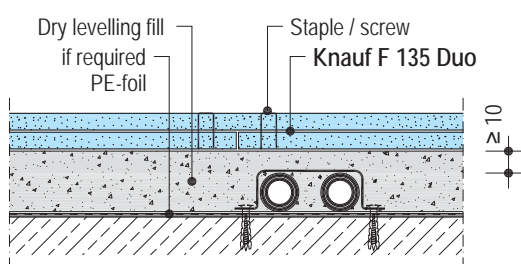
F135-V13 Movement joint with floor heating



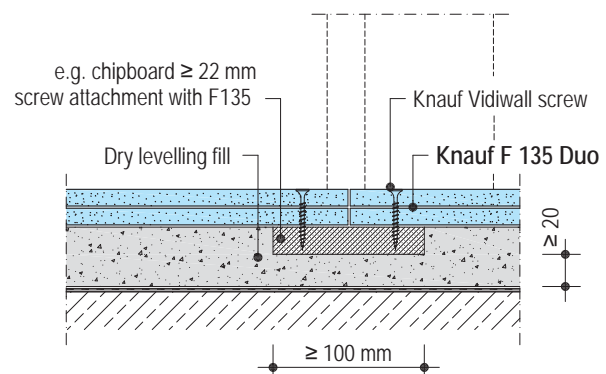
F135-V7 Movement joint on dry levelling fill



F135-V12 Height compensation with dry levelling fill



F135-V6 Joint of boards at door area



F13 Knauf Vidifloor Dry Floor Screed

Consumption, substrate and height compensation



Consumption per m² floor construction without addition for loss and waste

average values

Description <i>italic = not provided by Knauf</i>	Unit	F134 Solo (18 mm)	F 135 Duo (2 x 10.0 mm)	F 135 Duo (2 x 12.5 mm)
Insulation strip 100 mm width	m	length of wall connection	length of wall connection	length of wall connection
Vidifloor units: (18 mm)	m ²	1	2	-
Vidifloor boards: (2 x 10.0 mm)	m ²	-	-	-
Vidifloor boards: (2 x 12.5 mm)	m ²	-	-	2
Glue for the edges F 134: Vidifloor SOLO adhesive, bag 0,8 kg	kg	appr. 0,4	-	-
Surface glue F135 : or Uniflott Vidifloor Flächenkleber (surface adhesive)	kg	appr. 0.6 (double layer)	appr. 0.6	appr. 0.6
Screw attachment / stapling: or Vidifloor screws 17 mm or Staples Vidifloor screws 22 mm or Staples	pcs pcs	appr. 10	appr. 30	appr. 30
Uniflott for joint filling	kg	as required	as required	as required
Dry levelling fill per cm layer height		appr. 10	appr. 10	appr. 10
Covering board (on dry levelling fill)	m ²	1	1	1
Knauf Nivellierspachtel 415	kg	as required	as required	as required
Knauf Nivellierestrich 425	g	50	50	50
Estrichgrund (screed primer, diluted with water, ratio 1:1)	g	50	50	50

Construction

F134 Vidifloor Units (1 x 18 mm)

Knauf Vidifloor Units, 18.0 mm thick, are gypsum fiberboards with the dimensions of 900 x 600 mm. They have 35 mm wide milled tier edges. The units are glued at edges with Knauf Vidifloor SOLO adhesive. The edges have to be screw attached or stapled.

F135 Vidifloor Boards (2 x 10 mm)

Knauf Vidifloor Boards, 10.0 mm thick, are gypsum fiberboards with the dimensions of 1500 x 1000 mm. They have SK milled edges. The boards are installed in two layers. The boards are glued Knauf Vidifloor Flächenkleber (surface adhesive) and mechanically attached.

F135 Vidifloor Boards (2 x 12.5 mm)

Knauf Vidifloor Boards, 12.5 mm thick, are gypsum fiberboards with the dimensions of 1500 x 1000 mm. They have SK milled edges. The boards are installed in two layers. The boards are glued Knauf Vidifloor Flächenkleber (surface adhesive) and mechanically attached.

Substrate and height compensation (levelling)

Substrate

■ Check substrate and possibly applied leveling layer/coat for unevenness, height consistency and sturdiness.

In case of wood joist ceilings check particularly the stability of the surface made of planks or wood based panels (maximum deflection $l/300$). No direct application of pre-fab screed on wood joists.

Application on dead floor and leveling with dry levelling fill or Knauf EPO - Leicht only, if an adequate stability of the dead floor is ensured.

■ In case of reinforced concrete ceilings apply PE foil with a thickness of at least 0.2 mm with a joint overlap of at least 20 cm in order to protect against residual moisture. Apply PE foil on walls up to floor construction height.

■ In case of concrete base plate with soil contact apply water-proof sealing against ground moisture with appropriate sealing membranes

■ Install 10 mm thick mineral wool edge strip at all connections to walls.

■ Insulation layers: For proof of suitability refer to technical information of the insulation manufacturer.

Height compensation of the raw floor

■ Ensure a sufficiently even surface. Check height continuously. Provide a tight contact of the pre-fab floor screed to the raw floor on its entire surface.

■ In case of minor unevenness of worn-out old floor planks and direct application of the pre-fab screed without insulation layer, use corrugated cardboard or paper felt as leveler. Do NOT apply it on surrounding wall connections.

■ For low leveling height of Nivellierspachtel 415 or for Fließ-Spachtel 315. Consumption approx. 1.6 kg/m² per mm of coat thickness.

■ For leveling heights of 10 to 35 mm use Knauf Nivellierestrich 425 or for 5 to 30 mm Knauf Dünn-Estrich 325. Consumption approx. 1.8 to 1.6 kg/m² per mm coat thickness.

■ Dry levelling fill Knauf Trockenschüttung PA (area weight approx. 5 kg/m² per cm high), and expanded clay dry levelling fill (area weight approx. 6.5 kg/m² per cm height), residual moisture 1 %, bulk height 20 to 100 mm, are laid before the installation of Vidifloor for the purpose of height compensation of 20 mm. Before the installation of one-layer F134 Vidifloor cover levelling fill with Knauf gypsum board 9.5 mm. Below mineral wool and below EPS insulation this covering layer is also obligatory. On wood joist ceilings a trickling protection made of Knauf Schrenzlage or other vapour permissive material is required.

Do not use dry levelling fill on wooden plank stack slabs or rooms with high dynamic stress (washing machines, spin driers etc.).

■ For continuous height compensation or in case of installation pipes lying on the raw floor: Use polystyrene with a compressive strength of 100 kN/m² or use cement-based wood fiberlightweight boards. Sheath pipes with mineral wool. Cut out EPS or lightweight boards accordingly. Lay pre-fab screed laterally to the laying direction of the insulation or compensation boards/panels.

■ Knauf EPO-Leicht is a rapidly setting water-free mortar that is accessible 24 hours after application. The thickness of the EPO-Leicht leveler can be from 15 to 800 mm with a density of approx. 200 kg/m³. It is used for leveling uneven raw floors, to fill cavities and for height compensation, particularly on areas with high dynamic stress (washing machines etc.).

■ If Knauf Brio Units or Floorboards are installed directly on the even or filled raw floor or directly on EPO-Leicht leveler, apply a layer of thin fleece, soft cardboard or similar material in between.

Application

General application

- Knauf Vidifloor Units and Boards can be installed without joints if the floor does not include floor heating. In rooms that exceed the width of 10 m the installation of movement joints (joint profiles) is recommended. Transfer structural joints into the floor construction.
- Apply units or boards continuously at doors or create a butt joint below the door leaf and underlay the joint with approx. 10 cm wide wood based panel strips, ≥ 19 mm thick, and glue strips with units/boards, using Vidifloor SOLO adhesive for F134, or Vidifloor Flächenkleber (surface adhesive) with F135, and attach with Vidiwall screws. If dry floor screed is connected to other floor constructions, (e. g. self-leveling floor screed) install gauge profiles or separating profiles or apply movement joint profiles while raising the foil. At connection areas the dry levelling fill has to be carefully pre-compacted.
- Fill joints of units/boards with Knauf Uniflott if necessary.
- Do not access dry floor screed for approx. 4 hours (depending on temperature) after application to allow for setting of the glue.
- Protect surface of dry screed from site traffic. It is recommended to install the dry screed after other work trades have been finished.
- Holes and chunking of the dry screed can be filled with Knauf Uniflott. In order to provide good bonding, prime the damages with Knauf Estrichgrund.

Floor heating screed

Knauf F134 Vidifloor Units and F135 Vidifloor Boards can be installed on floor heating. It is recommended to apply movement joints at doors and in case of room width of more than 10 m. Maximum allowable flow temperature is 55 °C.

The use of electric floor heating or electric tile tempering is suitable to only a limited extent. Avoid heat accumulation (e. g. below cupboards or carpets) in any case. The maximum allowable temperature of the dry screed units/boards is 45 °C.

F134 Vidifloor Units

- Start laying at wall opposite to the door from left hand side. Cut off tier at connection to wall.
- If a dry levelling fill is applied, it is necessary to cover the even levelling fill with covering boards (e.g. Knauf gypsum boards $\geq 9,5$ mm) before installing the F134 Vidifloor Units. The laying of Vidifloor units starts at the wall opposite to the door from left hand side.
- Lay units continuously. Start new row staggered with cut-off from previous row (no waste). Stagger by at least 20 cm. Butt joints and cross joints are not permitted.
- Create a tight and stiff connection by means of gluing and filling the tier joints with Knauf SOLO adhesive.

- Screw attach Vidifloor Units at tier joints with Vidifloor screws, 17 mm long, or fasten with staples (spacing ≥ 300 mm).

- In case of multi-layer application of Vidifloor Units conglomerate layers if required with surface adhesive Vidifloor Flächenkleber (notching B3) and staple or screw attach. Use Vidiwall screws 30 mm

F135 Vidifloor Boards

- Start first board layer with full board and install as cross joint pattern. After application of Vidifloor Flächenkleber (surface adhesive) or Knauf Uniflott (notching B3) start installation of second layer with a half-size board (quarter-size board at corners) staggered by half a board size again as cross joint pattern.
- After gluing of the two layers of Vidiwall boards fix the layers with Vidifloor screws, 17 mm (for 2 x 10 mm) or 22 mm (for 2 x 12,5 mm). Instead of screws appropriate staples can be used for mechanical fixation. While fixation of the two layers load boards with body weight.

Surface treatment and floor covering

Moisture protection in moist rooms

Seal all watered areas in private bathrooms and kitchens entirely with Knauf Flächendicht sealant. Seal connections to walls with Knauf Flächendichtband sealing tape.

Chair roll resistance

One-layer and two-layer Dry screed Knauf Vidifloor F134 and F135 are chair roll proof after application of a min. 2 mm thick skim coat of Knauf Nivellierspachtel.

Priming

Before applying floor coverings or before skim coating, prime Knauf Vidifloor Units and Knauf Vidifloor Boards with screed primer Knauf Estrichgrund (diluted with water at a ratio of 1:1).

For parquet flooring prime with a system primer of the parquet glue system (take care of the product facts and the requirements of the glue manufacturer).

Elastic floor covering

In case of elastic floor covering (e. g. PVC, Lino- leum) skim coat Knauf Dry Floor Screed with min. 2 mm Knauf Nivellierspachtel 415. Before skimming the surface fill board joints with Knauf Uniflott and prime with screed primer Knauf Estrichgrund (diluted with water at a ratio of 1:1).

Dry parquet or mosaic parquet

Laminated dry parquet or mosaic parquet (mosaic cubes) can be applied on dry screed if it is conglomerated to the screed on the entire surface. In coordination with the parquet manufacturer other parquet types are possible. On separation layer or with clamp assembly other parquet types can generally be applied. If dry screed is skim coated with Nivellierspachtel 415 before parquet application, refer to the procedure described before in „Elastic floor covering“.

Ceramic coverings

Thin-bed application:
Size of floor tiles max. 33 cm x 33 cm.
Use flexible floor tiles glue.

If substrate is stiff and if thickness of load bearing layer is increased (double-layer application of Knauf Vidifloor F134) larger dimensions or natural stone tiles can be applied if coordinated with Knauf.

F13 Knauf Vidifloor Dry Screed

Specifications



Item.	Description	Units	Unit price	Total amount
.....	Sealing coat against residual moisture from the concrete ceiling, made of PE foil, 0.2 mm thickness, overlap joints by at least 20 cm. Product:	m2 €€
.....	Edge strip, made of mineral wool, 10 mm thickness, 100 mm height. Product: Knauf Randdämmstreifen (edge insulation strip)	m2 €€
.....	Separation layer as trickling protection on wood joist ceilings, made of natron kraft paper, plastic coated on both sides, min. 100 g/m2, single layer, overlap joints by at least 8 cm. Product: Knauf Schrenzlage	m2 €€
.....	Leveling of substrate made of....., in case of gradient deviations/ in case of substantial unevenness/ in case of pipelines/ cables */ for height compensation *, with levelling fill made of mineral covered volcanic stone, cover levelling fills with gypsum boards, levelling fill thickness:.....mm. Product: Knauf Trockenschüttung PA (dry bulk leveller)	m2 €€
.....	One layer dry floor screed made of gypsum fiberboard units with 35 mm tier, nominal thickness 18 mm, on concrete/ wood joist ceiling* with leveling coat/ insulation layer/ separation layer *, Building material class A2 and fire behaviour according to EN 13501-1, Product/ System: F134 Knauf Vidifloor SOLO 18	m2 €€
.....	Double layer dry floor screed made of conglomerated gypsum fiberboards, nominal thickness 20 mm (2 x 10.0 mm), on concrete/ wood joist ceiling* with leveling coat/ insulation layer/ separation layer *, building material class A2 and fire behaviour according to EN 13501-1, Product/ System: F135 Knauf Vidifloor DUO 20	m2 €€
.....	Double layer dry floor screed made of conglomerated gypsum fiberboards, nominal thickness 25 mm (2 x 12.5 mm), on concrete/ wood joist ceiling* with leveling coat/ insulation layer/ separation layer *, building material class A2 and fire behaviour according to EN 13501-1, Product/ System: F135 Knauf Vidifloor DUO 25	m2 €€
.....	Two layer dry floor screed made of gypsum fiberboard units with 35 mm tier, nominal thickness 36 mm (2 x 18 mm), on concrete/ wood joist ceiling* with leveling coat/ insulation layer/ separation layer *, Building material class A2 and fire behaviour according to EN 13501-1, Product/ System: F134 Knauf Vidifloor SOLO 36	m2 €€
.....	Priming of floor substrates made of dry screed, with solvent-free synthetic dispersion, consumption approx. 50 g/m2. Product: Knauf Estrichgrund (screed primer)	m2 €€
.....	Skim coating of entire dry screed surface, with self leveling calcium sulfate filler of particularly low stress, made of factory blend dry mortar, chair roller proof form 2 mm thickness,* thickness in mm Product: Knauf Nivellierspachtel 415 (leveler)	m2 €€
* Cancel not applicable items				Total€

F13 Knauf Vidifloor Dry Screed

Declaration of compliance



Declaration of compliance by the installer of the building component

Installer:

(name, address)

.....

Site / building:

.....

.....

Date of installation:

.....

Building component / requirements /
floor system:

.....

.....

.....

.....

It is certified herewith that the Knauf floor system as stated above has been built and installed in accordance with

Knauf Technical data Sheet F13 Knauf Vidifloor Dry Screed, edition 2009-03

with the system components specified there.

.....
Place, date

.....
Signature

+ 359 2 91 789 10

info@knauf.bg

www.knauf.bg

The structural, statical properties and characteristic building physics of Knauf systems can solely be ensured with the exclusive use of Knauf system components, or other products expressly recommended by Knauf.

Knauf Bulgaria EOOD, BG-1618 Sofia, Angelov Vrach 27, Tel:+359 2 91 789 10, Fax: +359 2 91 789 43

F13/E/09/BG

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