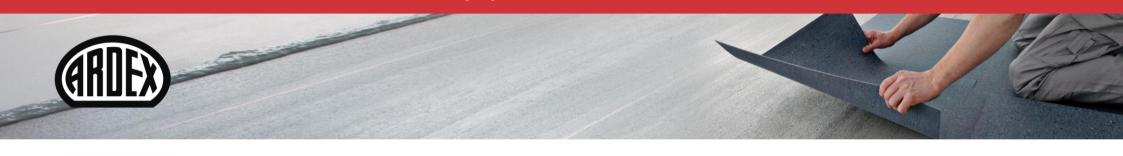
ARDEX recommendation for Lofec floor heating system below floor coverings and parquet in dry interior areas



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Flå	ichenheizung	Elastic floor coverings				Textile floor coverings				Parquet		
		PVC/CV floors R			ubber flooring Linoleum						Multi layer	massive
floor	Floor covering	Homogeneous coverings, CV-Beläge, rubber until 2 mm	LVT	Rubber slabs bis 4 mm	Rubber sheets < 2,5 mm	Jute back	Tufting, Woven goods	Needlepunched fleece	self-lying carpet tiles	carpet	2 and 3 layers	Massive until 20 mm
	adhesive	ARDEX AF 155	ARDEX AF 140	ARDEX AF 140	ARDEX AF 155	ARDEX AF 785	ARDEX AF 270	ARDEX AF 290	ARDEX AF 825	ARDEX AF 230	ARDEX AF 460	ARDEX AF 480
rtem	SLC	ARDEX K 39 or ARDEX K 40 or ARDEX K 22 F										
Heating sytem	Installation of Lofec panel heating	Installation of LOFEC panel heating system according to manufacturer specifications. Embedding in ARDEX P 21 (R2 notched trowel or 4 mm block notch. On the surface, the heating must still be thinly and evenly levelled with ARDEX P 21.										
Substrate preparation (if necessary)	SLC	ARDEX K 39 or ARDEX K 40 or ARDEX K 22 F					ARDEX K 39 or ARDEX K 40 ARDEX K 22 F or ARDEX K 55				X K 22 F or ARD	EX FA 20
	primer	ARDEX P 52						ARDEX P 4		ARDEX P 82		
Substrate p	Patching and filling	ARDEX A 45 or ARDEX A 45 FEIN The substrate has to be primed before with ARDEX P 52 in mixing ratio 1:3; Crack repair with ARDEX P 10 SR					ARDEX P	21	ARDEX FIX	ARDEX	P 21	ARDEX FIX
substrate		Cement screed (CT) / Calcium sulfate screed (CT)			(CA/CAF)	Old substrate tile & stone / Magnesite screed (MA) / Mastic asphalte screed (AS)				Wood substrates like Floor boards / OSB-slabs		

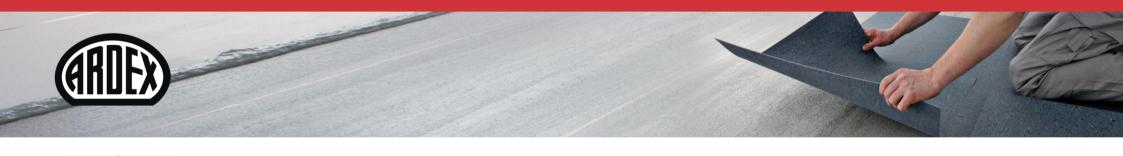
Substrate preparation

The substrate must comply with the requirements of DIN 18365 "Floor covering work". In particular, it must be level, permanently dry, firm, load-bearing, free from separating agents and cracks, as well as tensile and compressive strength, or must be prepared accordingly. Levelling work is carried out with suitable ARDEX levelling compounds in conjunction with ARDEX primers.

In ARDEX system

Floor covering work is carried out with suitable ARDEX adhesives. In combination with other ARDEX products classified in EMICODE EC1, they are the optimum prerequisite for very low emission and odourless construction. We guarantee the perfect quality of our products. Our processing recommendations are based on tests and practical experience; however, they can only be general instructions without any guarantee of properties, as we have no influence on the conditions on site and the execution of the work. When processing, the instructions and specifications in the technical data sheets of ARDEX GmbH and Lofec GmbH must be observed. Country-specific regulations based on regional standards, building regulations, processing or industrial guidelines may lead to specific processing recommendations.

ARDEX recommendation for Lofec floor heating system below floor coverings and parquet in wet areas



Mec		Lofec GmbH • Freiherr-Vom-Stein-Weg 15 • 72108 Rottenburg • Tel: +49 (0) 7472 931524-0 • Info@lofec-gmbh.de									
Flächenheizung		Elastic floor	r coverings	Parquet							
floor	Floor covering	PVC/C\	V floors	Multi I	ayer	massive					
		Homogeneous coverings, CV-Beläge, rubber until 2 mm	LVT	2 and 3 layers		Massive until 20 mm					
	adhesive ARDEX AF 1		ARDEX AF 181 W	ARDEX AF 460		ARDEX AF 480					
SLC		ARDEX K 60									
Waterproofing		ARDEX SK 100 W glued with ARDEX AF 180 or ARDEX AF 181 W									
Heating system Installation of Lofec panel heating		Installation of LOFEC panel heating system according to manufacturer specifications. Embedding in ARDEX P 21 (R2 notched trowel or 4 mm block notch. On the surface, the heating must still be thinly and evenly levelled with ARDEX P 21.									
ation	SLC	ARDEX K 39 o	r ARDEX K 40	ARDEX K 39, or ARD		ARDEX FA 20					
Substrate preparation (if necessary)	primer	ARDE	X P 52		ARDEX P 4		ARDEX P 82				
	Patching and filling	ARDEX A 45 or The substrate has to be primed before Crack repair with	e with ARDEX P 52 in mixing ratio 1:3;	ARDEX P 21	ARDEX FIX	ARDEX P 21	ARDEX FIX				
substrate		Cement screed (CT) / concrete	Calcium sulfate screed (CA/CAF)	Old substrate tile & stone / Magnesite screed (MA) / Mastic asphalte screed (AS)		Wood substrates like Floor boards / OSB-slabs					

In ARDEX system

Substrate preparation

Floor covering work is carried out with suitable ARDEX adhesives. In combination with other ARDEX products classified in EMICODE EC1, they are the optimum prerequisite for very low emission and odourless construction. We guarantee the perfect quality of our products. Our processing recommendations are based on tests and practical experience; however, they can only be general instructions without any guarantee of properties, as we have no influence on the conditions on site and the execution of the work. When processing, the instructions and specifications in the technical data sheets of ARDEX GmbH and Lofec GmbH must be observed. Country-specific regulations based on regional standards, building regulations, processing or industrial guidelines may lead to specific processing recommendations.

The substrate must comply with the requirements of DIN 18365 "Floor covering work". In particular, it must be level, permanently dry, firm, load-bearing, free from separating agents and cracks, as well as tensile and compressive

strength, or must be prepared accordingly. Levelling work is carried out with suitable ARDEX levelling compounds in conjunction with ARDEX primers.

ARDEX recommendation for <u>Lofec floor heating system</u> below tiles





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Flächenheizung		Lofec GmbH • Freiherr-Vom-Stein-Weg 15 • 72108 Rottenburg • Tel: +49 (0) 7472 931524-0 • Info@lofec-gmbh.de								
	derienneizung	Ceramic til	es and slabs		Natural stone*					
JO.	grout	ARDE	ARDEX G 10*							
floor	Tile adhesive	ARDEX X 9	0 OUTDOOR	ARDEX S 28*						
Heating system	Installation of Lofec panel heating	Embedding in ARDE	Installation of panel heating system according to manufacturer specifications. Embedding in ARDEX X 90 OUTDOOR 4 mm block notch. On the surface, the heating must still be thinly and evenly levelled with ARDEX X 90 OUTDOOR.							
aration	primer	ARDEX		ARDEX P 4	ARDEX P 4					
Substrate preparation	Filling and patching	ARDEX A 45 or ARDEX The substrate has to be primed before	` ',	ARDEX P 21 (if necessary)	ARDEX FIX	ARDEX DS 30 (fixed with ARDEX S 28)				
SqnS		Crack repair with A			(if necessary)	ARDEX P 82				
	substrate	Cement screed (CT) / concrete	Calcium sulfate screed (CA/CAF)	Old substrate tile & stone / Magnesite screed (MA) /		Wood substrates like Floor boards / OSB-slabs & Mastic asphalte screed (AS)				
Subs	strate preparation	The substrate must comply with the requirements of DI strength, or must be prepared accordingly. Levelling we				ng agents and cracks, as well as tensile and compressive				
Waterproofing acc. to DIN 18534 In ARDEX system		In areas exposed to moisture in water impact classes W0-I to W2-I, waterproofing with system components from the ARDEX waterproofing product range on the surface heating system (or on the levelling filler) must be carried out. * Special ARDEX advice is required for natural stone installations in damp areas. ARDEX S 28 is not approved for areas directly exposed to moisture. Floor covering work is carried out with suitable ARDEX adhesives. In combination with other ARDEX products classified in EMICODE EC1, they are the optimum prerequisite for very low emission and odourless construction. We guarantee the perfect quality of our products. Our processing recommendations are based on tests and practical experience; however, they can only be general instructions without any guarantee of properties, as we have no influence on the conditions on site and the execution of the work. When processing, the instructions and specifications in the technical data sheets of ARDEX GmbH and Lofec GmbH must be observed. Country-specific								

regulations based on regional standards, building regulations, processing or industrial guidelines may lead to specific processing recommendations.