

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



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		Elastic floor coverings					Textile floor coverings				Parquet	
floor	Floor covering	PVC/CV floors	Rubber flooring		Linoleum					Multi layer	massive	
	adhesive	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
		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
Heating system	SLC	ARDEX K 39 or ARDEX K 40 or ARDEX K 22 F										
	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		ARDEX K 22 F or ARDEX FA 20			
	primer	ARDEX P 52							ARDEX P 4		ARDEX P 82	
	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) / concrete			Calcium sulfate screed (CA/CAF)			Old substrate tile & stone / Magnesite screed (MA) / Mastic asphalt 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



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		Elastic floor coverings		Parquet	
floor	Floor covering	PVC/CV floors		Multi layer	massive
		Homogeneous coverings, CV-Beläge, rubber until 2 mm	LVT	2 and 3 layers	Massive until 20 mm
	adhesive	ARDEX AF 180 or 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.			
Substrate preparation (if necessary)	SLC	ARDEX K 39 or ARDEX K 40		ARDEX K 39, RDEX K 40 or ARDEX K 55	ARDEX FA 20
	primer	ARDEX P 52		ARDEX P 4	ARDEX P 82
	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) / concrete	Calcium sulfate screed (CA/CAF)	Old substrate tile & stone / Magnesite screed (MA) / Mastic asphalt 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.

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ARDEX recommendation for Lofec floor heating system below tiles



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		Ceramic tiles and slabs	Natural stone*		
floor	grout	ARDEX G8S	ARDEX G 10*		
	Tile adhesive	ARDEX X 90 OUTDOOR	ARDEX S 28*		
Heating system	Installation of Lofec panel heating	Installation of Lofec 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 thin and evenly levelled with ARDEX X 90 OUTDOOR .			
Substrate preparation	primer	ARDEX P 51	ARDEX P 21 (if necessary)	ARDEX P 4	ARDEX P 4
	Filling and patching	ARDEX A 45 or ARDEX A 45 FEIN (if necessary) The substrate has to be primed before with ARDEX P 52 in mixing ratio 1:3; Crack repair with ARDEX P 10 SR		ARDEX FIX (if necessary)	ARDEX DS 30 (fixed with ARDEX S 28)
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 asphalt screed (AS)

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.

Waterproofing acc. to DIN 18534 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.

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