

Building construction

Technology	Base material					Fastener
	Green / fresh concrete	Concrete	Old / high strength concrete	Steel ≥ 3 mm, bar joist	Steel ≥ 6 mm, beams	

Formwork positioning







DX	●	●	●	●	●		X-U
	●	●					X-C
	●						X-CT
							X-FS MX



Safety barriers / generic wood fastenings



DX	●	●	●	●	●		X-U
	●	●					X-C

Fastener	Description	Approvals	Page
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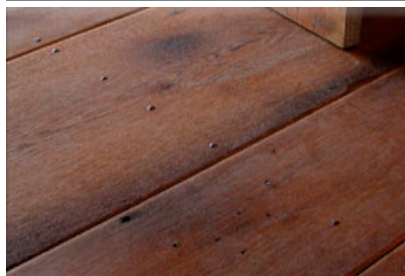
	Pin length 22–72 mm, 4 mm shank diameter	●	119
	Pin length 22–72 mm, 3.7 mm shank diameter	●	129
	Temporary, removable, pin length 47–72 mm, 3.7 mm shank diameter		167
	Form stop to use with X-U, X-C		235

	Pin length 22–72 mm, 4 mm shank diameter	●	119
	Pin length 22–72 mm, 3.7 mm shank diameter	●	129

Building construction

Technology	Base material						Fastener
	Green / fresh concrete	Concrete	Old / high strength concrete	Steel \geq 3 mm, bar, joist	Steel \geq 6 mm, beams	Sand-lime stone, masonry	

Hardwood flooring



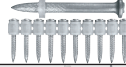

DX		●	●	●	●		X-U
	●	●					X-C




Wall-tie (Facade wall)



DX		●	●	●	●		X-U
	●	●					X-C
		●			●		X-CR

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	Pin length 22–72 mm, 4 mm shank diameter	●	119
	Pin length 22–72 mm, 3.7 mm shank diameter	●	129

	Pin length 16–72 mm, 4 mm shank diameter	●	119
	Pin length 14–72 mm, 3.7 mm shank diameter	●	129
	Stainless steel, pin length 14–54 mm, 3.7 mm shank diameter	●	161

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Wire mesh





DX	●	●	●	●			X-U
	●	●					X-C



Window and door frames



DX	●	●	●	●	●		X-U
	●	●					X-C

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	Pin length 16–72 mm, 4 mm shank diameter	●	119
	Pin length 14–72 mm, 3.7 mm shank diameter	●	129

	Pin length 16–72 mm, 4 mm shank diameter	●	119
	Pin length 14–72 mm, 3.7 mm shank diameter	●	129

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Thermal insulation




DX		●					X-IE XI-FV
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Water drainage membrane



DX		●	●	●	●		X-U
	●	●					X-C
		●			●		X-SW

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	Wall insulation for 25–120 mm thickness		227
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	Pin length 22–72 mm, 4 mm shank diameter	●	119
	Pin length 22–72 mm, 3.7 mm shank diameter	●	129
	Soft washer fastener		231

Building construction

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Water sealing / swelling strip



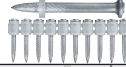

DX	●	●	●		●		X-U
	●	●					X-C




Water sealing / injection hose



DX	●	●	●		●		X-U
	●	●					X-C
	●	●	●		●		X-FB MX

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	Pin length 22–72 mm, 4 mm shank diameter	●	119
	Pin length 22–72 mm, 3.7 mm shank diameter	●	129

	Pin length 22–72 mm, 4 mm shank diameter	●	119
	Pin length 22–72 mm, 3.7 mm shank diameter	●	129
	For fixing pipes, to use with X-U, X-C		257