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Comparison of basic methods of installing new horizontal insulation in existing buildings.

	PRINZ draining of walls through sawing process	Chemical methods – injection	Method of driving stainless chrome-nickel steel sheets
Advantages	 100% efficiency – comparable insulation as in a new building durability of PEHD horizontal insulation – until the end of a building's technical durability insulation execution possible in case of all wall loads extensive experience in method application (for about 100 years) 	 short time of order completion relatively low interference in the static stability of the construction as compared to mechanical methods insulation execution possible in case of all wall loads 	 high efficiency insulation execution possible in case of all wall loads experience in method application (for about 20 years) high durability of horizontal insulation estimated to total at least 50 years
Disadvantages	 linked with more extensive repair work – more working space required substantial price increase in the case of an irregular course of working joints in walls made from harder materials 	 no possibility of optical control of the behaviour of substance once it is introduced high variety of available agents for injections, characterised by different levels of efficiency efficiency of the method depends on many factors 	 considerable financial outlays, mainly due to high prices of metal sheets in case of long walls without staying, the application of the method is risky existence of a continuous joint is required considerable vibrations connected with driving metal sheets, which may cause the formation of cracks no possibility of execution if stones are present in a joint
Warranty period	30 years of warranty for services provided (in practice, until the end of a building's technical durability)	approximately 5 years, the procedure needs to be repeated after this time	20 years
Time of execution (house 10x10 m, walls 40 cm + partition walls, approx. 22m ² wall surface in total)	approx. 3-4 working days	approx. 2-3 working days	approx. 3-4 working days
Application	 in case of brick walls, carbide tipped chains are used in case of stones and concrete, saws with a diamond rope are used dampness level is of no significance historic buildings, palaces, castles 	 many injection techniques used depending on the type of moisture, degree of dampness or injection agents applied historic buildings, palaces, castles 	 buildings with brick walls, with continuous and equal joint homogeneous brick walls historic buildings – walls of maximum thickness of about 1 m