



FIN-Project Nova-line Plus 78/95
aluminium-wood

Window replacement in Milan

Improved energy efficiency for three apartment blocks.

The tax allowance known as the “Superbonus 110” permitted the extensive refurbishment of the “Tre Case”, the “Three Houses”, as the Milanese call the three-part building complex built in 1980. The refurbishment of some 800 windows along with the roller shutters and roller shutter boxes significantly optimised energy usage: the uPVC in the frame core and the high-quality glass mean that the new windows offer outstanding insulation. The houses were also upgraded aesthetically, with the owners permitted to choose different types of frame materials, shapes and handles via a questionnaire.

Thanks to Finstral's innovative installation method, the replacement operation was quick, smooth and straightforward. The wooden frames of the old windows were not integrated into the masonry and could therefore be completely removed. The new frames were then simply mounted and screwed onto the existing metal frames, after which the sash was fitted.

Type of building	Multiple-family dwelling
Construction	2022
Project Planning	Window replacement Cusati Mauro
Country	Italy
Region	Milan
City	Fizzonasco
Photographer	Meraner & Hauser



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www.finstral.com/en/references/window-replacement-in-milan/311-11748.html



















Products used

U_w - Heat transmittance coefficient of window element

R_w - Sound insulation properties of a window

npd - No performance determined



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U_w 1-sash 2-/3-glazing: - / 0,77 W/m²K

U_w 2-sash 2-/3-glazing: - / 0,91 W/m²K

R_w Standard: 33 (-1;-4) db

R_w Best value: 43 (-2;-6) db



FIN-Window Nova-line 77+8

aluminium-uPVC

U_w 1-sash 2-/3-glazing: 1,2 / 0,80 W/m²K

U_w 2-sash 2-/3-glazing: 1,2 / 0,89 W/m²K

R_w Standard: 36 (-2;-5) db

R_w Best value: 45 (-1;-3) db



FIN-Window Classic-line 77

uPVC-uPVC

U_w 1-sash 2-/3-glazing: 1,2 / 0,77 W/m²K

U_w 2-sash 2-/3-glazing: 1,3 / 0,88 W/m²K

R_w Standard: 32 (-2;-6) db

R_w Best value: 45 (-1;-3) db

Product data sheets and more information at
www.finstral.com/range