

**Engineering progress
Enhancing lives**

SLINOVA® / SLINOVA X®

Technical information
Technical data



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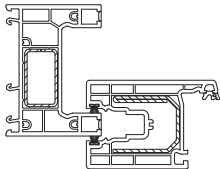
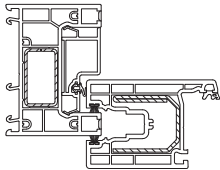
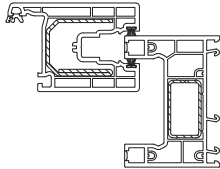
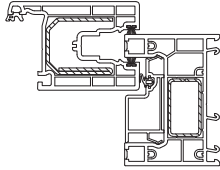
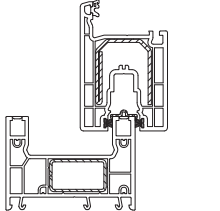
01 U_f values SLINOVA®

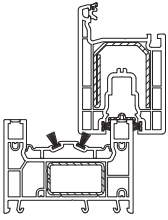
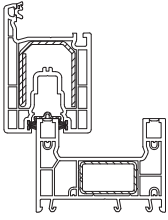
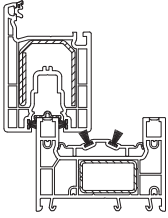
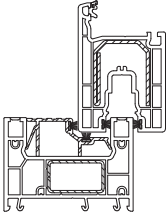
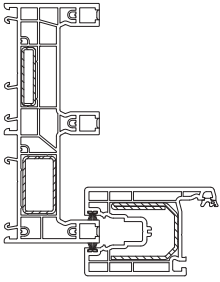
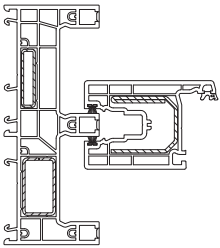
As part of the "Technical data", the relevant U_f values are assigned to the profile combinations SLINOVA® depending on the profiles and the reinforcements used.

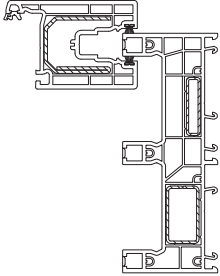
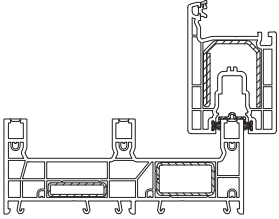
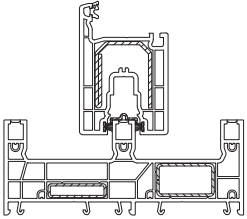
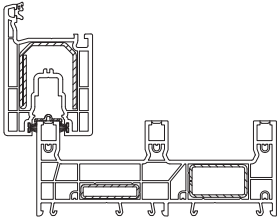
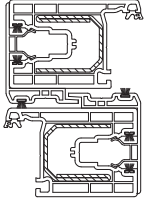
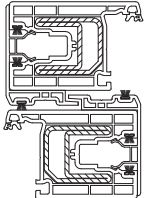
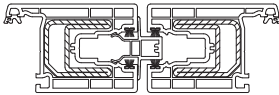
The U_f calculation as per BS EN ISO 10077-2 is used as the basis for the following U_f value assignment.

The depicted U_f values were determined for a filling thickness of 24 mm in the case of SLINOVA®.

U_f values for SLINOVA® profile combinations

Item	Profile combinations	Profiles + reinforcements	Heat transfer coefficient U_f in W/(m²K) As per BS EN ISO 10077-2
1		Frame profile 58/80 + reinforcement 35 x 20 x 1.5 Sash 80 + reinforcement 34.5 x 40.8 x 2	2.3
2		Frame profile 58/80 + reinforcement 35 x 20 x 1.5 Infill profile, 1575626 Sash 80 + reinforcement 34.5 x 40.8 x 2	1.8
3		Frame profile 58/80 + reinforcement 35 x 20 x 1.5 Sash 80 + reinforcement 34.5 x 40.8 x 2	2.2
4		Frame profile 58/80 + reinforcement 35 x 20 x 1.5 Infill profile, 1575626 Sash 80 + reinforcement 34.5 x 40.8 x 2	1.7
5		Frame profile 58/80 + reinforcement 35 x 20 x 1.5 Sit-on track, 1357856 Sash 80 + reinforcement 34.5 x 40.8 x 2	2.4

Item	Profile combinations	Profiles + reinforcements	Heat transfer coefficient U_f in $W/(m^2K)$ As per BS EN ISO 10077-2
6		Frame profile 58/80 + reinforcement 35 x 20 x 1.5 Sit-on track, 1357856 Thermal profile, 1575622 Sash 80 + reinforcement 34.5 x 40.8 x 2	1.9
7		Frame profile 58/80 + reinforcement 35 x 20 x 1.5 Sit-on track, 1357856 Sash 80 + reinforcement 34.5 x 40.8 x 2	2.3
8		Frame profile 58/80 + reinforcement 35 x 20 x 1.5 Sit-on track, 1357856 Thermal profile, 1575622 Sash 80 + reinforcement 34.5 x 40.8 x 2	1.9
9		Frame profile 58/80 + reinforcement 35 x 20 x 1.5 Sit-on track, 1357856 Tread plate, 1357843 Sash 80 + reinforcement 34.5 x 40.8 x 2	2.1
10		Frame profile 58/146 + reinforcement 35 x 20 x 1.5 + reinforcement 35 x 8 x 1.5 Sash 80 + reinforcement 34.5 x 40.8 x 2	2.3
11		Frame profile 58/146 + reinforcement 35 x 20 x 1.5 + reinforcement 35 x 8 x 1.5 Sash 80 + reinforcement 34.5 x 40.8 x 2	2.1

Item	Profile combinations	Profiles + reinforcements	Heat transfer coefficient U_f in $W/(m^2K)$ As per BS EN ISO 10077-2
12		Frame profile 58/146 + reinforcement 35 x 20 x 1.5 + reinforcement 35 x 8 x 1.5 Sash 80 + reinforcement 34.5 x 40.8 x 2	2.2
13		Frame profile 58/146 + reinforcement 35 x 20 x 1.5 + reinforcement 35 x 8 x 1.5 Sit-on track, 1357856 Sash 80 + reinforcement 34.5 x 40.8 x 2	2.4
14		Frame profile 58/146 + reinforcement 35 x 20 x 1.5 + reinforcement 35 x 8 x 1.5 Sit-on track, 1357856 Sash 80 + reinforcement 34.5 x 40.8 x 2	2.2
15		Frame profile 58/146 + reinforcement 35 x 20 x 1.5 + reinforcement 35 x 8 x 1.5 Sit-on track, 1357856 Sash 80 + reinforcement 34.5 x 40.8 x 2	2.3
16		Sash 80 + reinforcement 34.5 x 40.8 x 2 Sash 80 interlock, 1575506 Sash 80 interlock, 1575506 Sash 80 + reinforcement 34.5 x 40.8 x 2	1.9
17		Sash 80 + reinforcement 34.5 x 40.8 x 2.5 Sash 80 interlock, 1575506 Sash 80 interlock, 1575506 Sash 80 + reinforcement 34.5 x 40.8 x 2.5	1.9
18		Sash 80 + reinforcement 34.5 x 40.8 x 2.5 Interlock mullion bar, 1575507 Sash 80 + reinforcement 34.5 x 40.8 x 2.5	1.8

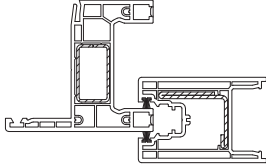
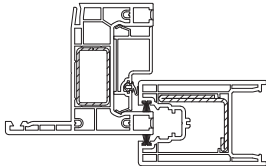
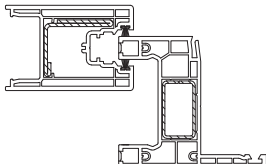
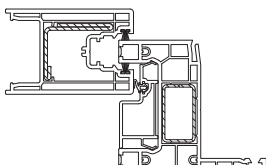
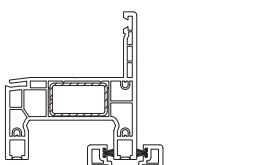
02 U_f values SLINOVA X®

As part of the "Technical data", the relevant U_f values are assigned to the profile combinations SLINOVA X® depending on the profiles and the reinforcements used.

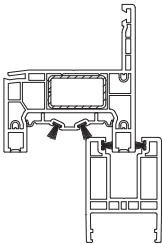
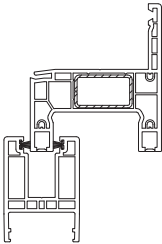
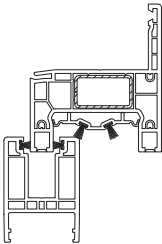
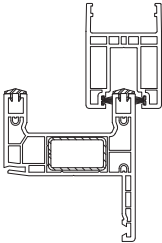
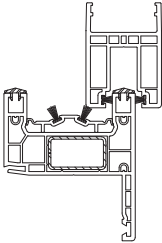
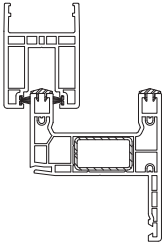
The depicted U_f values were determined for a filling thickness of 28 mm in the case of SLINOVA X®.

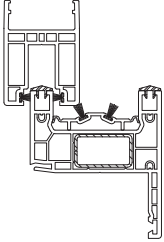
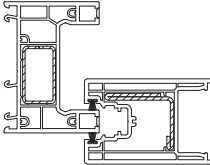
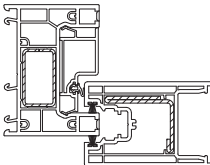
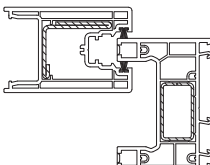
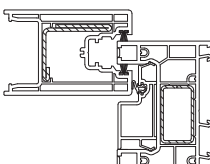
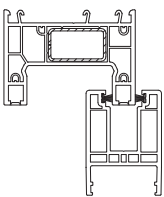
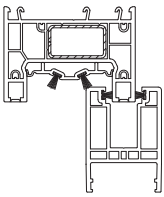
The U_f calculation as per BS EN ISO 10077-2 is used as the basis for the following U_f value assignment.

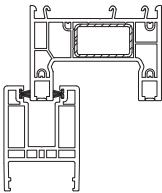
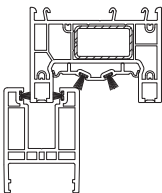
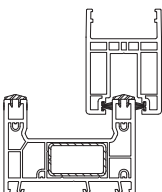
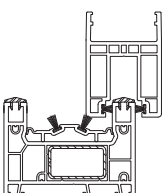
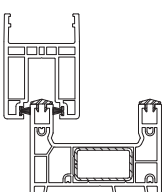
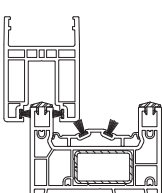
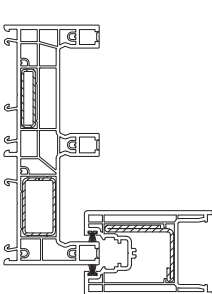
U_f values for SLINOVA X® profile combinations

Item	Profile combinations	Profiles/reinforcements	Heat transfer coefficient U_f in $W/(m^2K)$ as per BS EN ISO 10077-2
1		Renovation frame + reinforcement 35 x 20 x 1.5 Sash U78 + reinforcement 34.5 x 42 x 2	2.2
2		Renovation frame + reinforcement 35 x 20 x 1.5 Infill profile, 1575626 Sash U78 + reinforcement 34.5 x 42 x 2	1.7
3		Renovation frame + reinforcement 35 x 20 x 1.5 Sash U78 + reinforcement 34.5 x 42 x 2	2.3
4		Renovation frame + reinforcement 35 x 20 x 1.5 Infill profile, 1575626 Sash U78 + reinforcement 34.5 x 42 x 2	1.8
5		Renovation frame + reinforcement 35 x 20 x 1.5 Sash U64	2.1

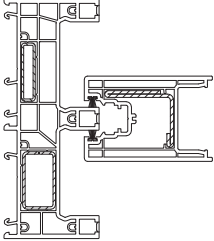
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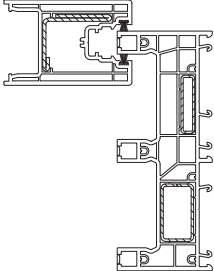
6		Renovation frame + reinforcement 35 x 20 x 1.5 Thermal profile, 1575622 Sash U64	1.7
7		Renovation frame + reinforcement 35 x 20 x 1.5 Sash U64	2.1
8		Renovation frame + reinforcement 35 x 20 x 1.5 Thermal profile, 1575622 Sash U64	1.7
9		Renovation frame + reinforcement 35 x 20 x 1.5 Push-in track, triangular, 1357838 Sash U64	2.2
10		Renovation frame + reinforcement 35 x 20 x 1.5 Push-in track, triangular, 1357838 Thermal profile, 1575622 Sash U64	1.8
11		Renovation frame + reinforcement 35 x 20 x 1.5 Push-in track, triangular, 1357838 Sash U64	2.2

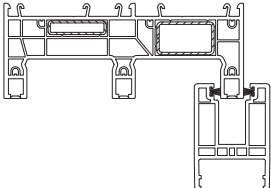
Item	Profile combinations	Profiles/reinforcements	Heat transfer coefficient U_f in $W/(m^2K)$ as per BS EN ISO 10077-2
12		Renovation frame + reinforcement 35 x 20 x 1.5 Push-in track, triangular, 1357838 Thermal profile, 1575622 Sash U64	1.7
13		Frame profile 58/80 + reinforcement 35 x 20 x 1.5 Sash U78 + reinforcement 34.5 x 42 x 2	2.2
14		Frame profile 58/80 + reinforcement 35 x 20 x 1.5 Infill profile, 1575626 Sash U78 + reinforcement 34.5 x 42 x 2	1.7
15		Frame profile 58/80 + reinforcement 35 x 20 x 1.5 Sash U78 + reinforcement 34.5 x 42 x 2	2.1
16		Frame profile 58/80 + reinforcement 35 x 20 x 1.5 Infill profile, 1575626 Sash U78 + reinforcement 34.5 x 42 x 2	1.7
17		Frame profile 58/80 + reinforcement 35 x 20 x 1.5 Sash U64	2.1
18		Frame profile 58/80 + reinforcement 35 x 20 x 1.5 Thermal profile, 1575622 Sash U64	1.7

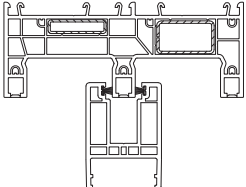
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19		Frame profile 58/80 + reinforcement 35 x 20 x 1.5 Sash U64	2.0
20		Frame profile 58/80 + reinforcement 35 x 20 x 1.5 Thermal profile, 1575622 Sash U64	1.6
21		Frame profile 58/80 + reinforcement 35 x 20 x 1.5 Push-in track, triangular, 1357838 Sash U64	2.1
22		Frame profile 58/80 + reinforcement 35 x 20 x 1.5 Push-in track, triangular, 1357838 Thermal profile, 1575622 Sash U64	1.7
23		Frame profile 58/80 + reinforcement 35 x 20 x 1.5 Push-in track, triangular, 1357838 Sash U64	2.0
24		Frame profile 58/80 + reinforcement 35 x 20 x 1.5 Push-in track, triangular, 1357838 Thermal profile, 1575622 Sash U64	1.6
25		Frame profile 58/146 + reinforcement 35 x 20 x 1.5 + reinforcement 35 x 8 x 1.5 Sash U78 + reinforcement 34.5 x 42 x 2	2.2

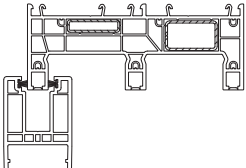
Item	Profile combinations	Profiles/reinforcements	Heat transfer coefficient U_f in $W/(m^2K)$ as per BS EN ISO 10077-2
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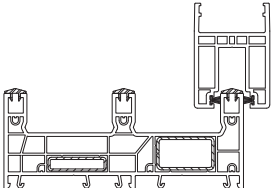
26		Frame profile 58/146 + reinforcement 35 x 20 x 1.5 + reinforcement 35 x 8 x 1.5 Sash U78 + reinforcement 34.5 x 42 x 2	2.1
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27		Frame profile 58/146 + reinforcement 35 x 20 x 1.5 + reinforcement 35 x 8 x 1.5 Sash U78 + reinforcement 34.5 x 42 x 2	2.1
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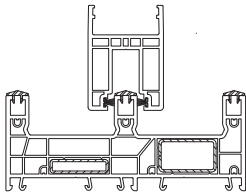
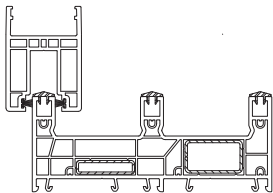
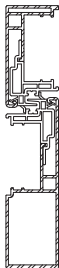
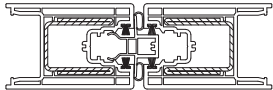
28		Frame profile 58/146 + reinforcement 35 x 20 x 1.5 + reinforcement 35 x 8 x 1.5 Sash U64	2.1
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29		Frame profile 58/146 + reinforcement 35 x 20 x 1.5 + reinforcement 35 x 8 x 1.5 Sash U64	1.9
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30		Frame profile 58/146 + reinforcement 35 x 20 x 1.5 + reinforcement 35 x 8 x 1.5 Sash U64	1.9
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31		Frame profile 58/146 + reinforcement 35 x 20 x 1.5 + reinforcement 35 x 8 x 1.5 Push-in track, triangular, 1357838 Sash U64	2.1
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Item	Profile combinations	Profiles/reinforcements	Heat transfer coefficient U_f in $W/(m^2K)$ as per BS EN ISO 10077-2
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32		Frame profile 58/146 + reinforcement 35 x 20 x 1.5 + reinforcement 35 x 8 x 1.5 Push-in track, triangular, 1357838 Sash U64	1.9
33		Frame profile 58/146 + reinforcement 35 x 20 x 1.5 + reinforcement 35 x 8 x 1.5 Push-in track, triangular, 1357838 Sash U64	2.0
34		Sash U interlock, outside, 1357841 U interlock, 1575625 Sash U interlock, inside, 1357840	4.9
35		Sash U78 + reinforcement 34 x 42 x 2 Interlock mullion bar, 1575507 Sash U78 + reinforcement 34 x 42 x 2	1.9

Notes

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

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