

December 2014

Topics of this newsletter are:

- **The new Pilkington Profilit™ system „one in 2“**
 - Stepping into a new dimension with the established and reliable Pilkington **Profilit™** series 83 - U_G-values down to 1.2 W/m²K with system components from one source
- **Pilkington Profilit™ „2 plus one“**
 - Triple- and multiple glazing with the new Pilkington **Profilit™** series 164 and U_G-values down to 0.73 W/m²K
- **The new spring collection is out now–**
Pilkington **Profilit™** T Color Design **and** T Color Design Decor
 - Unlimited design options with the new ceramic Pilkington **Profilit™** color coatings
- **Pilkington Profilit™ at the exhibition „Bau“ from 19th – 24th January 2015 in Munich**
 - Visit us at „Bau“ in Hall C2, Stand 328



Visit us at
hall C2, stand 328!



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- **The easiest way to Pilkington Profilit™**



www.profilit.com

- **The new Pilkington Profilit™ system „one in 2“**

- Stepping into a new dimension with the established and reliable Pilkington **Profilit™** series 83 - U_G-values down to 1.2 W/m²K with system components from one source

The since decades successful Pilkington **Profilit™** frame series with a profile depth of 83 mm for installation of Pilkington **Profilit™** K.../60/7 glass types is now available for double and triple glazing applications.

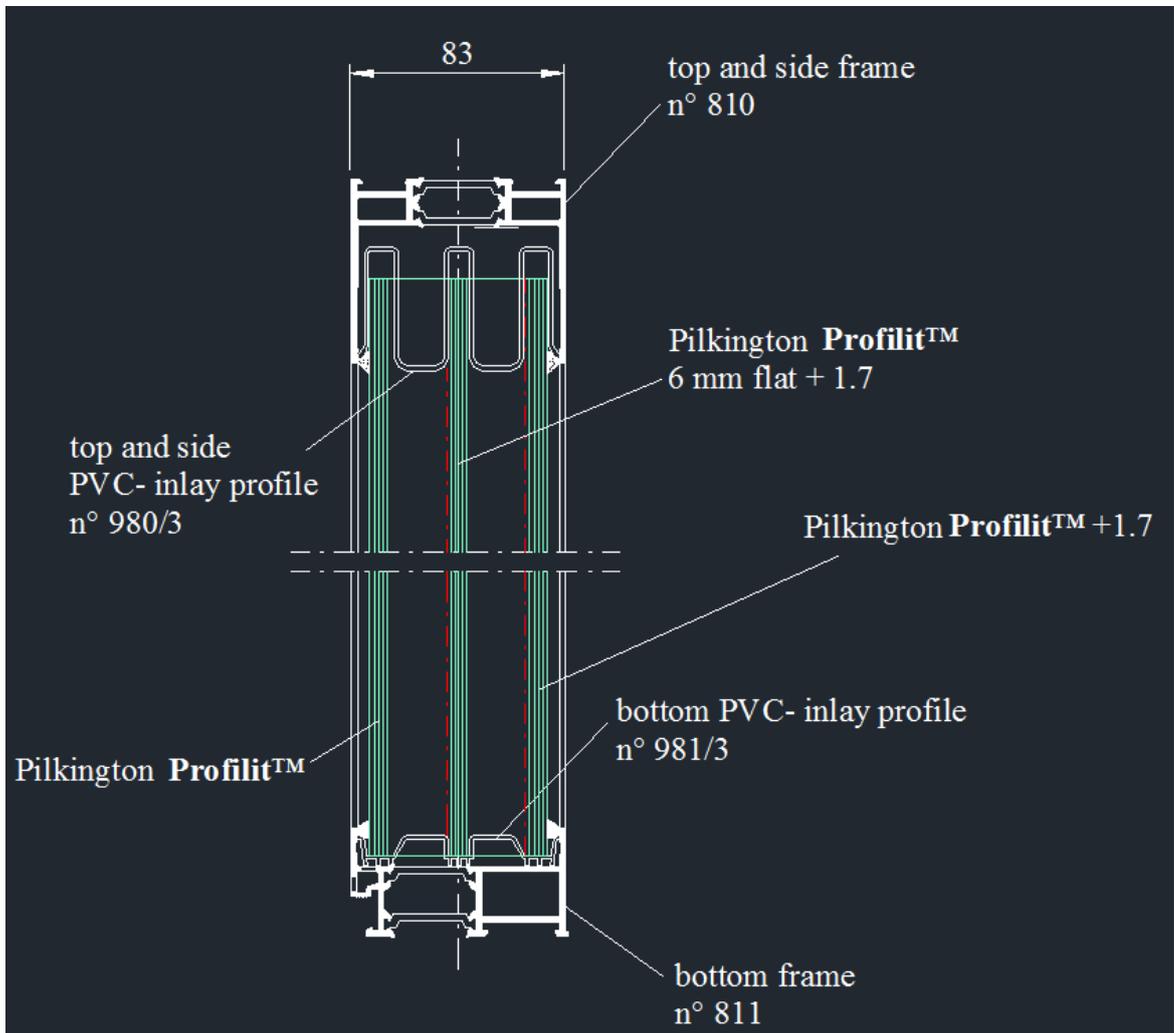
In order to further optimize the physical performance of Pilkington **Profilit™** we have developed a system that follows a completely new approach for Pilkington **Profilit™** glazing and which is at the time as easy, quick and modular as the proven double glazed standard application.

All you need for the design, application and installation of the improved system are the proven Pilkington **Profilit™** glass types and thermally broken frames as well as some new glass- and system components which you can all procure from one source.

The philosophy of the system and its installation principle at the same time do not change and remain their simple and practically orientated character.

The basic idea to improve the physical characteristics is quite simple: By integration of one or several additional glass pane(s) into a double glazed Pilkington **Profilit™** glazing the convection inside the setup is reduced and there are more possibilities of glass combinations with functional coatings.

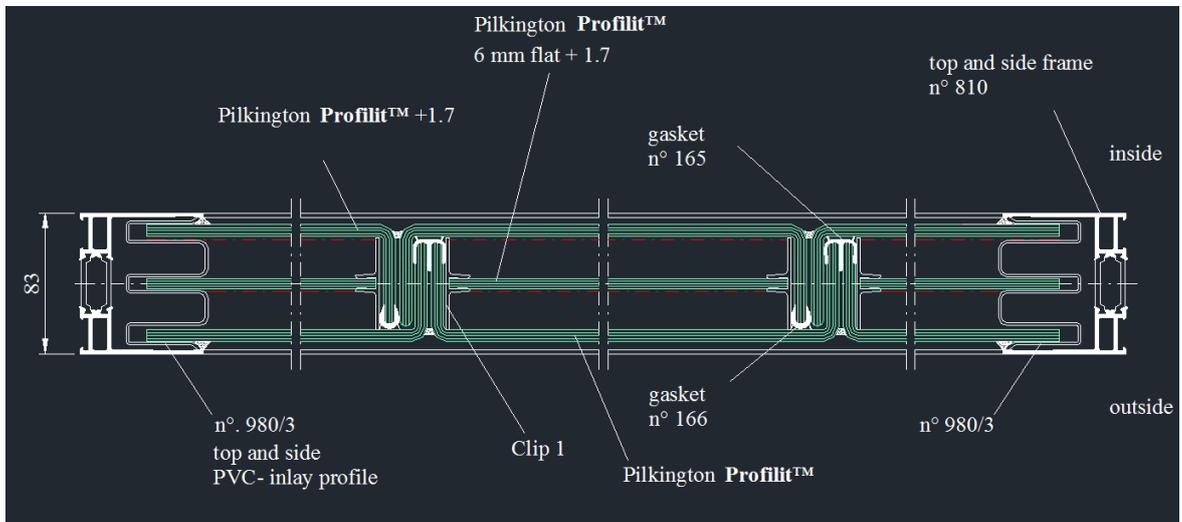
Pilkington **Profilit™** system „one in 2“ – vertical section:



The flat intermediate pane in general consists of a 6 mm glass e.g. with "Plus 1.7" coating which will be supplied by us. This setup with "Plus 1.7" coatings on positions 3 and 5 generates a U_G -value of 1,3 W/m²K. Furthermore combinations with other Pilkington **Profilit™** functional- or design products as intermediate flat glass panel are possible like e.g. Pilkington **Profilit™** Amethyst or Pilkington **Profilit™** Opal.

The corresponding Pilkington **Profilit™** PVC inlay profiles 980/3 and 981/3 are also delivered as part of the system.

Pilkington **Profilit™** system „one in 2“ – horizontal section:



Centred and stabilized are the intermediate flat glass panels by the especially designed translucent fixing clips which can easily be applied on the longitudinal edges prior to installation. For sure the new Clip 1 is also supplied by us.

The installation of the intermediate panel follows the standard Pilkington **Profilit™** installation sequence by lifting the panel into the top frame and lowering it down into the bottom frame.

The combination with other Pilkington **Profilit™** system components like e.g. with the gaskets 165 and 166 or with the dilatation joint profiles 810 D and 811 D for the thermally broken frames is easily possible as well.

Furthermore the additional flat glass pane does not have any impact on the structural stability of the Pilkington **Profilit™** glazing (however, please take into account that when designing the load carrying substructure the additional dead loads of these glass panes need to be considered).

Depending on the choice of glass- and coating combinations with this system U_G -values down to 1,2 W/m²K and g-values of 0,3 or below can be achieved.

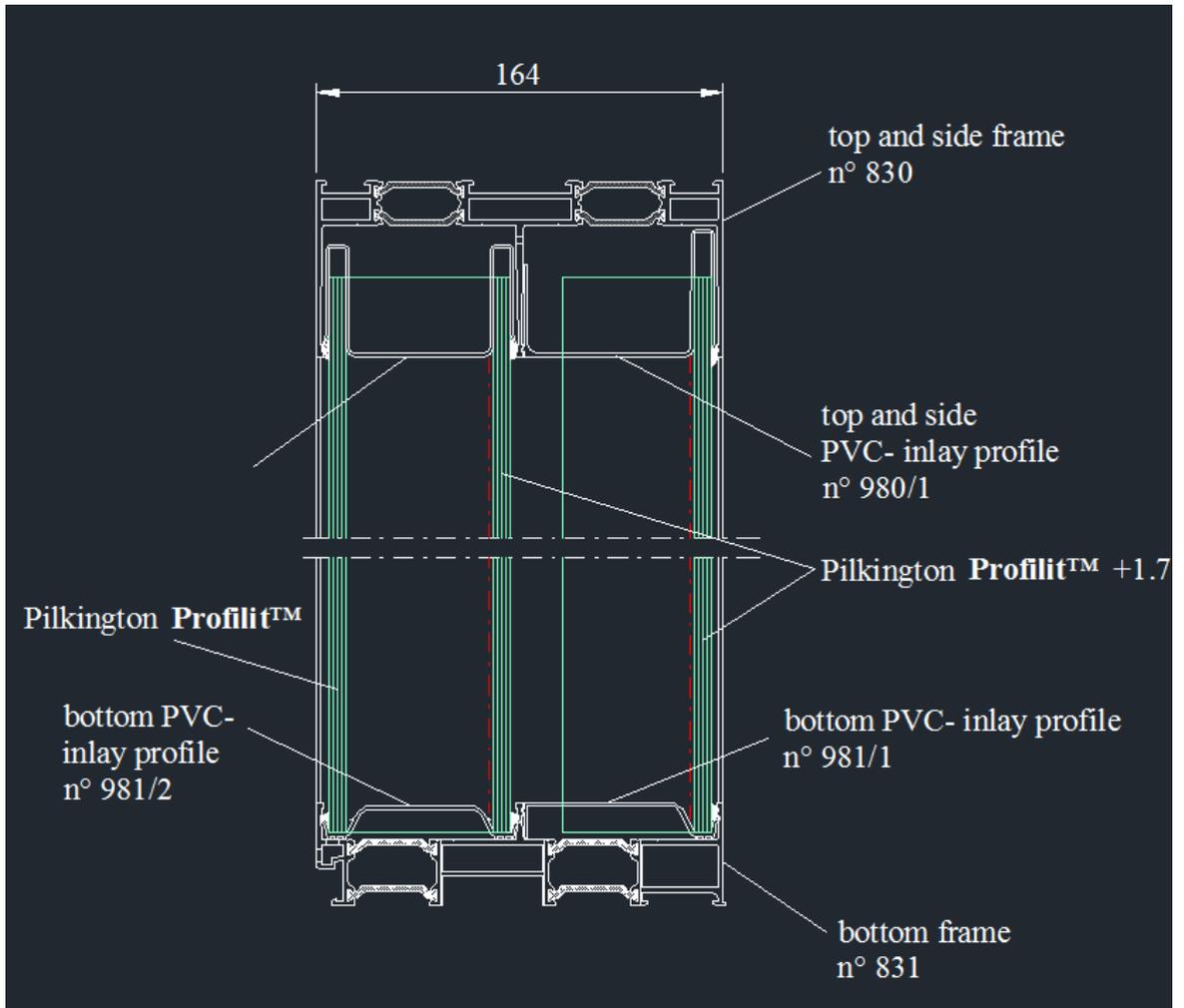
In addition with Pilkington **Profilit™** „one in 2“ the excellent noise control characteristics of the system are maintained or even improved as well.

- Pilkington **Profilit™** „2 plus one“
 - Triple- and multiple glazing with the new Pilkington **Profilit™** series 164 and U_G -values down to $0.73 \text{ W/m}^2\text{K}$

With the Pilkington **Profilit™** newsletter from June 2014 we introduced to you the new Pilkington **Profilit™** series 164 for installation of triple- and multiple glazing or e.g. for application with two single layers of glass and two layers of translucent insulation material (TIM). With this system now excellent U_G -values down to $0.73 \text{ W/m}^2\text{K}$ can be achieved.

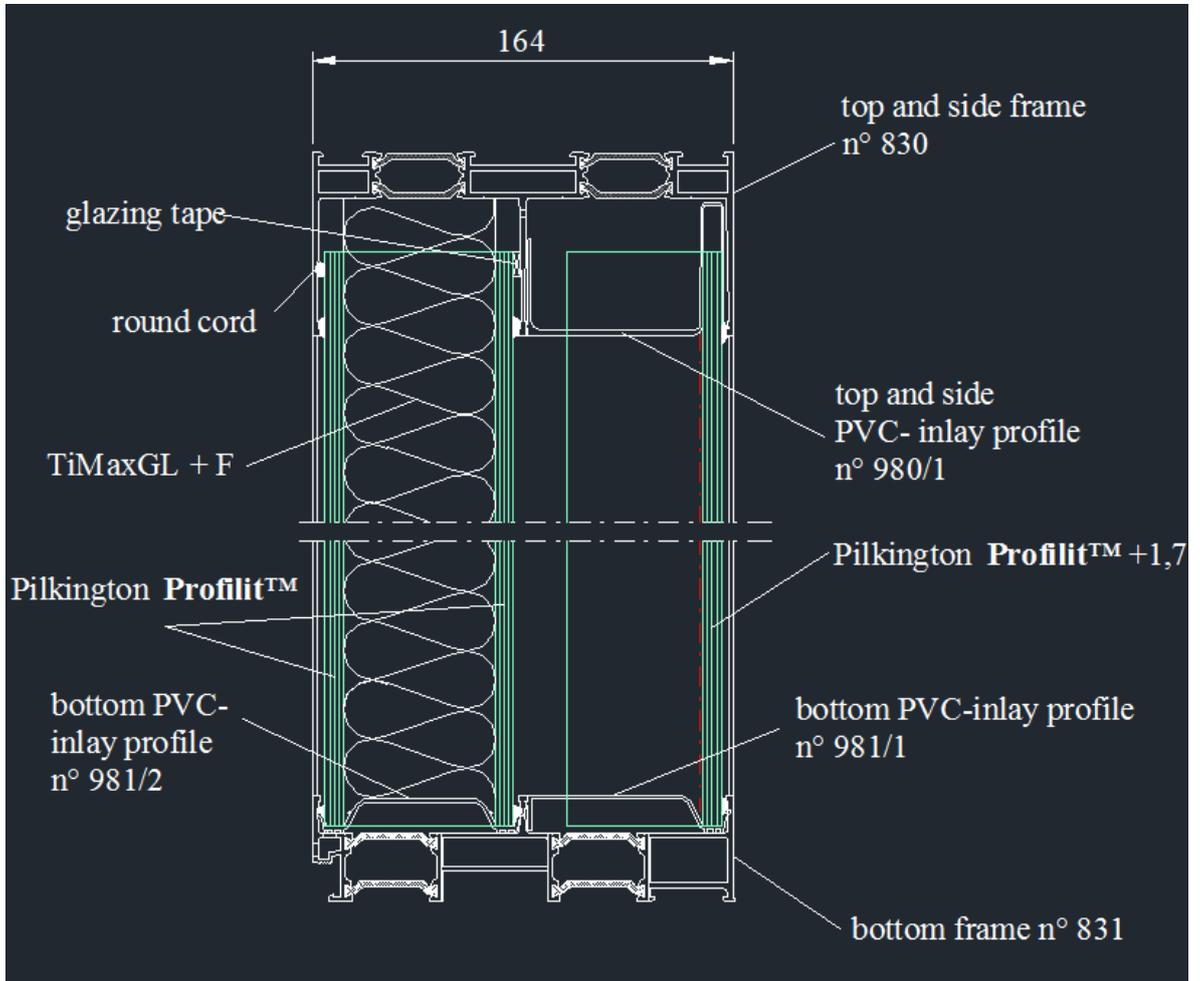
Today we would like to draw your attention to two setups with Pilkington **Profilit™** „2 plus one“ which point out the very interesting and broad performance spectrum of this system:

- 1) Pilkington **Profilit™** „2 plus one“ with Plus 1,7 coatings on positions 3 and 5:



With this simple setup a U_G -value of $1.1 \text{ W/m}^2\text{K}$ can be achieved while remaining a maximum of light transmission and translucency.

2) Pilkington **Profilit™** „2 plus one“ with Plus 1,7 coating on position 5 and TIM in the outer cavity:



This combination offers an optimum heat insulation with a U_G -value of 0.80 W/m²K.

- **The new spring collection is out now–**

Pilkington **Profilit™** T Color Design **and** T Color Design Decor

- Unlimited design options with the new ceramic Pilkington **Profilit™** color coatings

The NSG-Pilkington Group is one of the leading enterprises in glass industry. In the extremely successful segment of channel glass Bauglasindustrie GmbH is now offering some completely new and innovative product series. The by ceramic pigments processed Pilkington **Profilit™** T Color Design and Pilkington **Profilit™** T Color Design Decor products are now available with the new spring collection 2015.

Since many years Bauglasindustrie GmbH supplies with Pilkington **Profilit™** T Color a proven and safe design product for use in facade and interior applications. The thermally toughened and enameled channel glass elements are now completed by a totally new and pointing the way product development.

Pilkington **Profilit™** T Color Design and Pilkington **Profilit™** T Color Design Decor are product developments which offer architecturally new and almost unlimited design options. By processing with ceramic pigments it is now possible to design the channel glass not only - completely or partly - in one color but in addition to apply opaque or translucent exclusive decors or individual icons, pictures or slogans. In addition the design can either be applied on a single piece of glass or several Pilkington **Profilit™** T Color design panels can create a complete picture. Consequently the channel glass is not anymore "only" an architectural element for flooded with light facades or industrial and commercial glazing but as well a real design element for exterior and interior use.

Can you imagine that from now on your Pilkington **Profilit™** facade can be individually designed, e.g. like this?



Or like this?



Or like this?



Or like this?



You can meet the new Pilkington **Profilit™** T Color Design and - T Color Design Dekor series already in January live at the exhibition „Bau“ from 19th – 24th January 2015 in Munich.

- Pilkington **Profilit™** at the exhibition „Bau“ from 19th – 24th January 2015 in Munich
 - Visit us at „Bau“ in Hall C2, Stand 328

Detailed information about the new Pilkington **Profilit™** systems „one in 2“ and „2 plus one“ as well as about further product and system developments regarding energy efficiency, sustainability and safety and design you will find during your visit to Exhibition “Bau” in Munich.

Please visit our Stand n° 328 in Hall C2. We are looking forward to welcome you there!



In case of any question regarding the application of the new Pilkington **Profilit™** systems please feel free to contact us at any time.

With best regards

Bauglasindustrie GmbH

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