

Hans Timm Fensterbau, Germany

Timber windows, timber / aluminium windows and doors in RC 4



Element from Hans Timm Fensterbau GmbH following the RC 4 test. Bastian Timm is satisfied: "The security components from Roto helped us make an extensive range of timber windows fit for the RC 4 tests. The tests were passed on the first attempt."

Photo: Hans Timm Fensterbau

Resistance class RC 4

In accordance with DIN EN 1627-30, burglar inhibiting windows with resistance class RC 4 must be able to withstand the forces used by an experienced burglar using aggressive sawing and striking tools such as an axe, crowbar, hammer, pick or cordless drill. The test is passed if the window can withstand all break-in attempts for a minimum of ten minutes.

Private individuals also want to feel safe and secure at home; Hans Timm Fensterbau also offers windows up to a resistance class of RC 4 in a modern design

Photo: Hans Timm Fensterbau

Timber "We want to produce timber windows and timber / aluminium windows in accordance with resistance class RC 4." The team at Hans Timm Fensterbau, based in Berlin, set itself this challenge in 2019. The success of the project was not least thanks to security components from Roto.

In buildings with stringent security requirements, such as governmental departments or exclusive private households, extremely effective mechanical burglary protection is required on windows and doors, according to Managing Director Bastian Timm. The same also applies if the design of windows must be in keeping with historical styles and the specifications for listed buildings. In order to meet demand in the field of high security for buildings, the team at Timm decided to extend its already extensive expertise in burglar inhibiting window design and to develop a complete RC 4 range.

Expertise combined

A newly formed team of experts developed the first sample elements during the summer months of 2019. They used security components designed in-house at Timm Fensterbau and components from the Roto modular system such as security mushroom locking cams, steel security strikers, lockable window handles and drilling protection.

Target achieved

Bastian Timm and his family are extremely proud: "With the successful expansion of our RC 4 range, we have clearly demonstrated our extensive expertise in the field of high security for buildings. We are particularly thrilled to have successfully tested all opening versions in a record time of six months. Thanks to the fact that we are now able to cover the entire bandwidth with elements of all opening versions,

we are perfectly prepared for the increasing demand for security solutions." Following four successful test series on windows, doors also finally passed the tests for resistance class RC 4 in December 2019. Again, various Roto components were used.

Volker Fitschen, Managing Director for Central Europe at Roto Frank Window and Door Technology, is more than satisfied: "Roto has extensive expertise and many years of experience in the configuration of hardware for effective mechanical burglary protection. But even we don't submit products for RC 4 tests every day. We are proud that our security components played a role in ensuring all window elements from Hans Timm Fensterbau passed the demanding tests on the first attempt. A great success."

Next step: special formats

This year, the Berlin window specialist is again focussing on security. The next item on the agenda is the testing of special formats, such as pitched and arched windows as well as Lift&Slide systems, in RC 4. The knowledge gained in 2019 will also be channelled into the company's retrofitting business.

www.timm-fensterbau.de

Hans Timm Fensterbau GmbH & Co. KG

In 1957, Berlin company Hans Timm Fensterbau GmbH & Co. KG was founded by Hans Timm, and it remains a fully family-owned company. Today, production takes place at three sites in Berlin-Marienfelde across a production area of 14,400 m², using state-of-the-art CNC technology. The company also offers an extraordinarily large range of windows made from timber, timber / aluminium, aluminium and steel.



This building on the Wilhelmstraße in Berlin is used by the German Bundestag. Hans Timm Fensterbau provided the timber windows in resistance classes RC 3 and RC 4.

Photo: Hans Timm Fensterbau



Specialising in windows with maximum burglary protection (from left to right in the photo): Detlef Timm (legal project management), Bastian Timm (purchasing, sales, strategy, product development), Jonas Swiatek (certification, digitalisation, technical project management) and Bernd Timm (technical project management)

Photo: Hans Timm Fensterbau