

# bulletin

Bulletin of the Česká komora lehkých obvodových plášťů  
(Czech Chamber of Curtain Walling)



May 2018

## 1. New members of the ČKLOP (ČKLOP)

As of May 2018, two new regular members were admitted to the ČKLOP:

- as of 1 November 2017, **FunderMax GmbH**, [www.fundermax.at](http://www.fundermax.at) was admitted as a regular member
- as of 1 February 2018, **Frajt s.r.o.**, [www.frajt.cz](http://www.frajt.cz) was admitted as a regular member



We thank all member companies for cooperation.

## 2. Normative process of the ČKLOP + ČKLOP directives

### 2.1.

#### The ČKLOP has issued standards for the Czech Office for Standards, Metrology and Testing

- ČSN 74 6077:2017 Installation of aperture panels – Review of the standard
- ČSN 74 7250: 2017 Curtain walls – Requirements for installation
- ČSN 74 7251:2017 Composite envelopes, facing and panelled envelopes – Requirements for the accuracy of fitting, quality and appearance
- ČSN 74 3305:2017 Guardrails – Review of the standard

### 2.2.

#### Concept of ventilation

- The ČKLOP was the main initiator of this document.
- The document was approved on 16 August 2017 by the Czech Chamber of Commerce as the **Rule of Good Practice** designated W170 01.
- The Concept of ventilation is a unifying tool for all factors to ensure the quality of the indoor environment. The Czech legislation currently includes 92 acts, implementing regulations, technical standards and professional directives which concern ventilation in some way. The Concept of ventilation is an activity which aims to unify, simplify and mainly implement the whole topic into practice.



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- The ČKLOP Rule of Good Practice has been included in the list of rules of good practices on the website of the Czech Chamber of Commerce [here](#).
- You can send your comments on the Concept of ventilation to [bedrich@cklop.cz](mailto:bedrich@cklop.cz) by the end of 2018. A possible review of this document will be initiated at the beginning of 2019.

## 2.3.

### The Guideline on awarding contracts to supply new windows or to change existing windows, issued by the ČKLOP in cooperation with the Ministry of Regional Development on 1 March 2018

The guideline was consulted with the **Ministry of Regional Development** of the Czech Republic. This guideline serves as a material aid for the process of awarding contracts and is prepared for the case when a contract is awarded based on the processed project documentation as a part of the tender documentation – e.g. in a simplified sub-threshold procedure or in an open procedure. This guideline does not address the awarding of contracts through the determination of technical conditions for the function and performance. The process of awarding a contract must be always in compliance with **Act no. 134/2016 Coll., on awarding contracts**; therefore, it is always necessary to assess the contract and the procurement process with regard to the specific conditions.

The guideline is published on the website of [the Ministry of Regional Development](#) and [the ČKLOP](#).

## 3. Education

### 3.1.

#### National conference on building ventilation for residential areas and educational facilities of the ABF Foundation on 22 February 2018

Having received very positive feedback from the conference on the concept of ventilation, which took place on 23 February 2017 on the premises of ABF, the ČKLOP was asked again to cooperate closely when organising this conference continuation.

The topic of the conference was the concept of ventilation in real building-construction. The main invited target groups were:

1. property development companies,
2. Union of Towns and Municipalities,
3. Czech-Moravian Association of Housing Cooperatives,
4. manufacturers and suppliers of PVC windows,
5. architects and designers.

The purpose of the conference was to show how the requirements of the concept of ventilation in real building-construction were met.

### 3.2.

#### 11th ČKLOP National Conference 2018

The motto of the 11th ČKLOP National Conference 2018 was 'Let's Not Wait for the Future.'

This year's star was **Eva Le Peutrec**, a world-famous architect of Czech origin.

The topics of the lectures during this year's ČKLOP conference, which was focused on curtain walls, windows and doors, dealt in details with the latest trends in technologies, houses with minimum energy consumption, BIM and Industry 4.0.



### 3.3.

#### ČKLOP Technical Seminars

On 14 and 15 March 2018 in Prague and Brno, technical seminars of the ČKLOP were held on the subject of 'Interpretation of reviews and planned standards.'

The contents included the interpretation of standards

- ČSN 74 7250:2017,
- ČSN 74 7251:2017,
- ČSN 74 6077:2017,
- ČSN 74 3305:2017,
- ČSN 73 0810:2016.

Offered topics of the ČKLOP seminars:

- LOP** ČSN 74 6077 – Installation of aperture panels – Interpretation of the review of the standard
- LOP** ČSN 74 3305 – Guardrails
- LOP** ČSN 74 6078 – Windows and external doors – Integration into buildings
- LOP** ČSN EN 14351 – Windows and external doors – Relation to the ČSN technical standard

**LOP** ČKLOP directives – Safe glazing  
If interested in a ČKLOP technical seminar on different subjects other than the listed above, please inform us.

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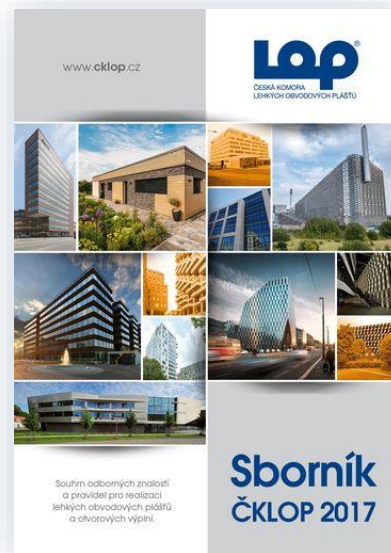


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## 3.4. ČKLOP 2017 Compilation

A summary of technical knowledge and rules for the implementation of curtain walls and aperture panels. It is a specialist publication created by a team of experts from the ČKLOP membership base. The publication is distributed among all universities with the subjects of study in civil engineering or architecture and among all specialist companies that work with curtain walling, windows and doors, whether as manufacturers or designers.

The Compilation can be ordered by email ([info@cklop.cz](mailto:info@cklop.cz)) for 400 CZK, excluding VAT.



## 3.5. Flyer – Basic overview of the ČKLOP activities

The ČKLOP will publish a brief summary of its activities twice a year.

This first edition started to be distributed in March 2018.

The folded A4 leaflet contains six informative pages about the membership base, 11th ČKLOP anniversary and the already mentioned overview of the ČKLOP main activities.



## 4. ČKLOP – member of working committees

### 4.1. CSA Technical Standards Committee under the Czech Office for Standards, Metrology and Testing + Technical Committee for Building Products

The representatives of ČKLOP in individual committees and working groups

- TNK 27 – Fire safety of buildings
- TNK 43 – Building-thermal technology
- TNK 60 – Aperture panels and curtain walls

### 4.3. Action plan to support the improvement in the self-sufficiency of the Czech Republic in raw material resources

Based on the Resolution of the Government of the Czech Republic No. 564 from 13 July 2015, the ČKLOP is part of the working group under the Ministry of Industry and Trade which discusses the Action plan to support the **improvement in the self-sufficiency of the Czech Republic in raw material resources** by substituting primary resources with secondary raw materials. The ČKLOP achieved its first significant achievement in this field when the Ministry of Industry and Trade emphasised in the separate article entitled **'The Myth Called "Primary Plastics" Does Not Belong to Tenders'** that the condition of using "primary plastics", primary manufacturing material or recycle-free profiles is completely unnecessary from the technological point of view; moreover, the contracting authority risks violating the non-discrimination and being subsequently fined. The full article can be found [here](#).

### 4.2. ČKLOP Technical Committee – Overview of its recent activities

The ČKLOP TC meets once or twice a half year to discuss the current topics in our branch.

- ČKLOP TC meeting – 13 September 2017, Prague
- ČKLOP TC meeting – 28 February 2018, Prague
- ČKLOP TC meeting – 7 June 2018

## Circular economy – 15 September 2017 – the ČKLOP organises a meeting with EPPA and representatives of MIT and MRD

As part of the cooperation between our chamber and the **Ministry of Industry and Trade (MIT)** in environmental impacts, we were asked to organise a workshop with representatives from **EPPA** or **Rewindo** on the topic of the circular economy in Western Europe.

**Gerald Feigenbutz**, CEO at EPPA – European PVC Profiles and Related Building Products, was invited by our chamber on behalf of the Ministry of Industry and Trade, the Ministry of Regional Development and the Ministry of the Environment to Prague to give a lecture on the PVC Recycling System. The workshop at the Ministry of Industry and Trade was also attended by representatives of other ministries, representatives of production and distribution, professional associations in industry and others.

The expected number of participants was about 20–25. It was a one-day visit of several hours to inform about the implemented system of PVC recycling back to window manufacturing. The ČKLOP was the main guarantor of the meeting.

## Round table to discuss the sheet glass recovery system – 5 April 2018 in the building of MIT

The ČKLOP was invited to take part in this meeting and was asked to present the situation on the Czech market.

The main speaker was **Cor Wittekoek** from the non-profit organisation **Vlakglas Recycling Nederland**, who informed us about the optional sheet glass recovery system that is successfully run in the Netherlands.

The purpose of the round table is to discuss the possibility of introducing an optional sheet glass recovery system in the Czech Republic and together discuss the possibilities, conditions and parameters of the recovery and other measures needed to be adopted in order to obtain a higher quality of recovered sheet glass, increasing its use.

The participants in the round table on the topic of 'Possibilities and obstacles to implement the sheet glass recovery system in the Czech Republic' drew conclusions of the meeting.



## 4.4. Heritage Institute – working group for the parameter unification of historical windows and replicas

Unification of procedures when defining the appearance of required parameters for historical windows. The ČKLOP wants to initiate the cooperation on this topic with several members of EUROWINDOOR AISBL and use their practical experience.

## 4.5. The ČKLOP is at the forefront of commenting on the BIM Concept Department working within the Czech Standardization Agency – CSA

The working groups established in the first half of 2018:

- PS01 Pilot projects
- PS02 Awarding, project management and contracts
- PS03 **Data standards and information requirements** – ČKLOP cooperation
- PS04 **Materials for appraisal** – interest in the ČKLOP cooperation
- PS05 Education, promotion
- PS06 Terminology and standards

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## 5. ČKLOP - member of professional organisations

### 5.1. Czech Chamber of Commerce

The ČKLOP is a member of the following sections:



#### Quality section

The main objective is to initiate and support the activities leading to the improvement of the business environment, success rate and performance in entrepreneurship and the growth of the competitiveness of business entities.

#### Energy section of the Chamber of Commerce of Prague

#### Energy section of the Czech Chamber of Commerce

#### Section for the construction industry – working groups:

- Civil engineering, building materials, energy savings
- Transport structures, water management structures, environment
- Legislation, pricing, public procurements, human resources, media
- Building trade, small construction industry
- Development of towns and municipalities

*The Czech Chamber of Commerce is a legally established point of comments for legislation. Through its membership, the ČKLOP acquires the right to comment on all laws that come under the Construction section.*

#### The ČKLOP is a holder of the certificate

- of qualified authorisation in aperture panelling
- of qualified authorisation in curtain walling and composite envelopes

### 5.2. Eurowindow AISBL



Between 21 and 22 June 2018, the ČKLOP will host a Eurowindow meeting in Prague.

#### Newsletter Eurowindow – December 2017

The latest Eurowindow Newsletter outlines the basic information about the association's activities and its main objectives for 2018. The document can be downloaded [here](#).

#### EuroWindow Strategy

#### **Mission:**

The mission of EuroWindow (EW) is to represent the interest of the European window, door and facade manufacturers through close dialogue with EU and other relevant institutions. Thereby contributing to the EU's commitment regarding better regulation as well as job creation, energy security, resource efficiency and carbon emission reductions without imposing unnecessary burdens on the sector.

#### **Targets:**

- **Ensure window and door products are on the agenda as a positive product**
  - Daylight providers providing energy efficiency and better comfort and health in buildings
- **Ensure sufficient knowledge of key EU regulation for the industry**
  - Monitor and react on key relevant EU legislation and initiatives. Make sure key EU regulation does not take us by surprise
- **Work for Better regulation for the industry**
  - Unnecessary burdens and double regulation to be avoided
- **Support to replacement agenda in Europe**
  - Window, door and facade contribute to energy savings and better comfort in Europe
- **Contribution to sustainability and recyclability agenda**
  - Secure that products are fairly assessed on technical verified facts
- **Securing a strong and efficient organization**
  - Seen as a constructive cooperation partner, that are agile and can react and contribute within the necessary time span

#### **Vision:**

To be a valued stakeholder for EU institutions when developing legal framework with impact on the European window, door and facade sector.

#### **Key activities:**

Topics from the activity plan after a thorough review where all remaining and possible new activities shall be link to one or more of the overall targets and prioritized accordingly.



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ČESKÁ KOMORA  
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## 5.3. SPS – Association of Building Entrepreneurs of the Czech Republic (ABE)



## 5.4. Solar Association for the Utilisation of Renewable Resources in Construction



## 6. Main objective of the ČKLOP

To improve the professional level of the branches within the construction industry in such a way as to ensure the competitiveness of business entities not only on the Czech market but also on an international level.

## 7. Information service for the ČKLOP members

The ČKLOP provides its members with information on issued standards, directives, decrees, etc.  
The ČKLOP also provides legal and technical assistance and consultations.

Continuous information on the current activities of ČKLOP can be found on our [website](#) or [Facebook](#).

## 6. The ČKLOP videos and photos



ČKLOP – promo video 2018



11th ČKLOP National Conference  
(short video-cut of the whole day)



Photos from the 11th ČKLOP National Conference for download [here](#) or uploaded on [Facebook](#).

Česká komora lehkých obvodových plášťů (ČKLOP)  
Czech Chamber of Curtain Walling (ČKLOP)

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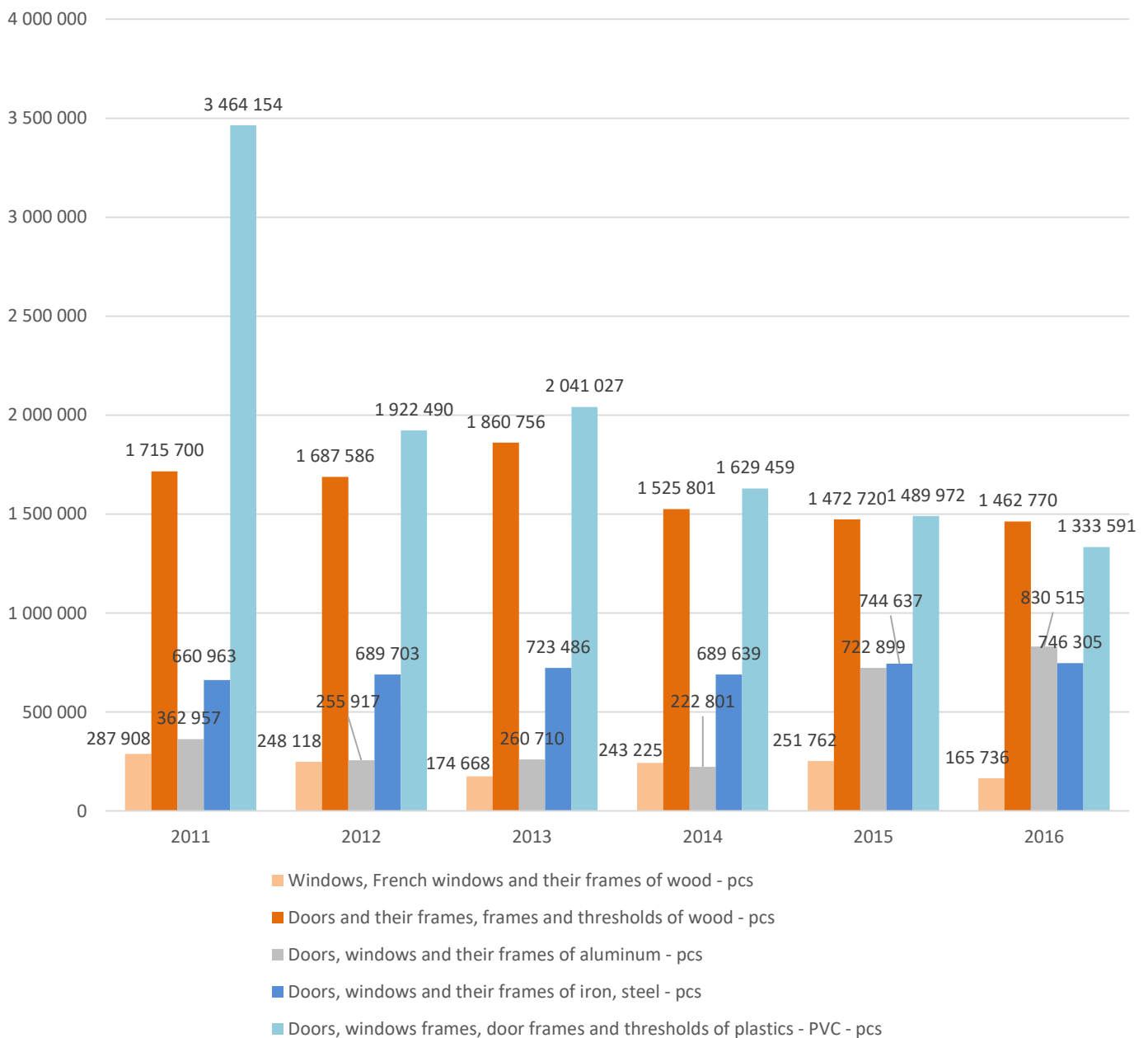
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Product - pcs	2011	2012	2013	2014	2015	2016
Windows, French windows and their frames of wood - pcs	287 908	248 118	174 668	243 225	251 762	165 736
Doors and their frames, frames and thresholds of wood - pcs	1 715 700	1 687 586	1 860 756	1 525 801	1 472 720	1 462 770
Doors, windows and their frames of aluminum - pcs	362 957	255 917	260 710	222 801	722 899	830 515
Doors, windows and their frames of iron, steel - pcs	660 963	689 703	723 486	689 639	744 637	746 305
Doors, windows frames, door frames and thresholds of plastics - PVC - pcs	3 464 154	1 922 490	2 041 027	1 629 459	1 489 972	1 333 591
Windows, doors, including interior doors - total	6 491 682	4 803 814	5 060 647	4 310 925	4 681 990	4 538 917

source - Czech Statistical Office

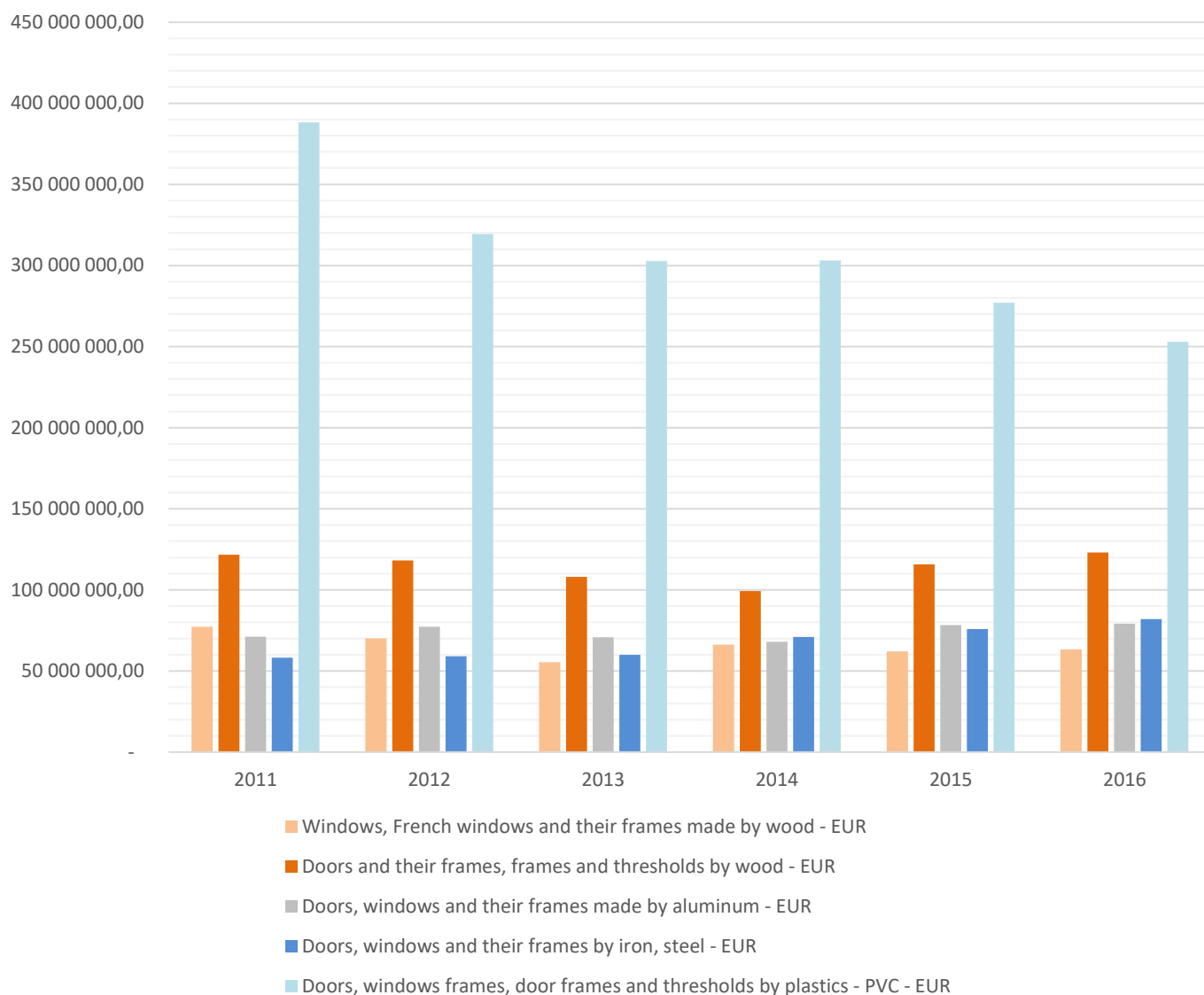
## Production of windows and doors - pcs



Products - EUR	2011	2012	2013	2014	2015	2016
Windows, French windows and their frames made by wood - EUR	77 216 615,38	70 117 576,92	55 518 230,77	66 213 615,38	61 997 576,92	63 311 000,00
Doors and their frames, frames and thresholds by wood - EUR	121 746 692,31	118 156 769,23	108 012 538,46	99 298 807,69	115 756 769,23	123 059 846,15
Doors, windows and their frames made by aluminum - EUR	71 213 346,15	77 242 423,08	70 770 730,77	68 091 961,54	78 254 769,23	79 283 576,92
Doors, windows and their frames by iron, steel - EUR	58 282 038,46	59 183 192,31	60 018 769,23	71 068 307,69	75 860 615,38	81 953 923,08
Doors, windows frames, door frames and thresholds by plastics - PVC - EUR	388 294 461,54	319 382 884,62	302 810 692,31	303 037 230,77	277 035 923,08	253 000 000,00
Windows, doors including interior doors - money - total	716 753 153,85	644 082 846,15	597 130 961,54	607 709 923,08	608 905 653,85	600 608 346,15

source - Czech Statistical Office

## Products EUR





Product - Total share by material	2011	2012	2013	2014	2015	2016
Windows, French windows and their frames of wood - %	4,4%	5,2%	3,5%	5,6%	5,4%	3,7%
Doors and their frames, frames and thresholds of wood - %	26,4%	35,1%	36,8%	35,4%	31,5%	32,2%
Doors, windows and their frames of aluminum - %	5,6%	5,3%	5,2%	5,2%	15,4%	18,3%
Doors, windows and their frames of iron, steel - %	10,2%	14,4%	14,3%	16,0%	15,9%	16,4%
Doors, windows frames, door frames and thresholds of plastics - PVC - %	53,4%	40,0%	40,3%	37,8%	31,8%	29,4%
	100%	100%	100%	100%	100%	100%

source - Czech Statistical Office

## Total share by material - %

