

The 6 safety points in electrical renovation

By Dominique Desmoulins
President of Fisuel &
General Manager of Promotelec

➤ **Dwellings and electricity safety**

- In France, there is 36.3 million dwellings among which 30.3 million are over 15 years
- In new dwellings: the electrical installation of residential buildings has to comply with the prescriptions of the NF C 15-100 standard current at the time of the application for permit to build.
- The NF C 15-100 standard sets strict rules for the electrical installations in dwelling (living-room, kitchen, bedroom, bathroom).
- However, in old dwellings with electrical installations over 15 years, there is no obligation of putting in conformity an old electrical installation with the current standards. Consequently, no obligation to comply with the NF C 15-100 standard.

➤ **Old dwellings and electricity safety**

- Old dwellings with electrical installations over 15 years can expose people and their families to potentially electrical accidents
- + increasingly risks due to all the latest technologies and the electrical equipment. Electricity is part of our home. We use it when we wake up and throughout the day. It's easy to forget how powerful and dangerous it can be.
- To improve the electrical safety in old dwellings, the 6 safety points in electrical renovation is recommended to know the state of the electrical installation.

➤ **Old dwellings and electricity safety**

- It is important to make sure that the electrical installation is well maintained in old dwellings with electrical installations over 15 years, so in case of sale or rent, a state of the electrical installation, is provided in order to estimate the risks which can undermine the safety of the people: the mandatory electrical diagnosis “DEO”.
- It is also based upon the 6 minimal safety requirements
- Even if, in 41 years, the number of electrocutions per year was divided by 5 going from 200 to 40 thanks to the evolution of the regulations, survey & study on the mandatory electrical diagnosis show us that: 2/3 of the electrical installations over 15 years do not comply with at least 1 of 6 mandatory safety points*

*Data result of ONSE

Symposium Fisuel – Liban – 30 Avril & 2 MAI 2019

Fisuel Symposium – Lebanon – 30th of April & 2nd of MAY 2019

➤ **Efforts to improve electrical safety at home**

- To improve electrical safety at home and reduce fatal electrical accidents at home: Promotelec Association campaign on behalf of consumers and electrical professionals
- For example: our last campaign releases for electrical safety with the support of FASE (Fonds d'action pour la sécurité électrique) from June to October 2018.
- Promotelec Association created a general public campaign to draw attention to the fact that safety at home is also electrical safety. Title: la sécurité, c'est aussi électrique !

➤ **Efforts to improve electrical safety at home**

- Campaign target: amongst the serious messaging and risks, 6 fun short videos were created for social media (Facebook, Twitter, YouTube). The aim: make understand the dangers of electricity that can occur if the 6 safety points aren't respected. We recommend to use a qualified electrician to make it safer.
Publication: the videos were broadcasted on YouTube, Facebook and Twitter.
- Data results from the 6 videos (dec 2018):
 - ✓ On YouTube: more than 430 000 views
 - ✓ On Twitter: more than 560 000 views
 - ✓ On Facebook: more than 230 000 views

Coupez, avant que ça ne parte en fumée !



Presence of a general device of command and of protection of the installation, easy to reach

Sans mise à la terre, vous finirez par terre !



Presence, at the origin of the installation, of at least a device of earth leakage protection of sensibility suited in the conditions of connecting to the earth

Protégez chaque circuit, stoppez les courts-circuits !



Presence, on every circuit, of at least a device of protection against the overload adapted to the section of the conductors

Tout mouillé et électricité, décharge assurée !



Presence of an equipotential connection and compliance with the rules bound to the areas in every premises containing a bathtub or a shower

Installation vétuste, c'est le danger qui s'incrute !



Absence of any risk of direct contact with elements under voltage and of any obsolete equipment or unsuitable for the use

Fils dénudés, réagissez !



Conductors protected by pipes, moldings or baseboards with isolating material

THANK YOU

MERCI

