

# isosafety

Version 1.2

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[github.com/BenSt099/isosafety](https://github.com/BenSt099/isosafety)

## 1 General information

This is the official documentation of the package **isosafety**. It provides ISO colors and signs according to the ISO standards 3864 and 7010. It can be used to create instructions for chemical or physical experiments.

### NOTE






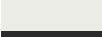

This is not an official package from the ISO. All signs are taken from Wikipedia.

## 2 Dependencies

This package has the following dependencies: `graphicx`, `xcolor`, `ifthen`, `xkeyval`

## 3 ISO Colors

Seven colors are defined which are also used to create the signs:

Name	Colors
Caution	
Warning	
Prohibition	
Mandatory	
Rescue	
Backgrounds	
Smybol	

How to use:

```
{\color{Mandatory} \textbf{Text with Mandatory color.}}
```

**Text with Mandatory color.**

## 4 ISO Signs

This section deals with the construction of signs. To begin with, each sign is placed in a category, has a letter and a number:

Category	Letter(s)	Numbers
Safe condition	E	(001 - 070)
Crescent variant	CV	(003, 004, 009, 010, 011, 012, 013, 027, 028, 029, 064, 067)
Fire Protection	F	(001 - 019)
Mandatory	M	(001 - 060)
Prohibition	P	(001 - 074)
Warning	W	(001 - 080)

The command to access a sign is:

```
\Isosign{<Letter><Number>}
```

This command constructs a path to a sign in your T<sub>E</sub>XLive / MikT<sub>E</sub>X/ ... installation. That means to actually display the sign, resize it, edit it, etc., follow the given example:

```
%%% Example file
\documentclass{article}

% example path
\usepackage[fullpath = /texlive/2024/texmf-dist/tex/latex/isosafety ]{isosafety}

\usepackage{graphicx}

\begin{document}

\includegraphics{\Isosign{F001}}
\includegraphics[scale=2]{\Isosign{P074}}

\end{document}
```

As you can notice, when we import the package, we provide it with an option. The option is named **fullpath** and is **necessary!** Since you may have a different version of T<sub>E</sub>XLive or maybe even a different T<sub>E</sub>X-installation, you have to provide a path that leads to the installation directory of isosafety. The path that is given in the example is the typical path on most systems. The year *2024* refers to the version of T<sub>E</sub>XLive installed on your system

**NOTE:** On Windows, the path should also be given with foreslashes (just like in the example).

**NOTE:** The last directory in the path *does not* end with a foreslash (just like in the example).

**NOTE:** For a complete overview of the available signs, take a look at Wikipedia.