Comparison Of Safety Storage Cabinets For Flammables
Today flammables are used in most laboratory and industrial environments. Storing these materials improperly poses great risk for people and property.

While there is a large variety of storage cabinets for flammables available on the market, it is often a challenge for the users to select the appropriate product for their particular application or situation.

The following comparison is intended to help understanding the advantages and disadvantages of the different standards and aid in making the right decision for a safer workplace.
OVERVIEW

<table>
<thead>
<tr>
<th>Storage of flammables</th>
<th>Insulation</th>
<th>Certification</th>
<th>Fire resistance (Minutes)</th>
<th>Disaster risk</th>
<th>Legal consequences and personal liability</th>
</tr>
</thead>
<tbody>
<tr>
<td>NOT SUITABLE</td>
<td>NO INSULATION</td>
<td>SUITABLE</td>
<td>0</td>
<td>VERY HIGH</td>
<td>NO SAFETY</td>
</tr>
<tr>
<td>Safety containers mandatory</td>
<td></td>
<td>Safety containers recommended</td>
<td>10</td>
<td>MEDIUM</td>
<td></td>
</tr>
<tr>
<td>SUITABLE</td>
<td>AIR INSULATION</td>
<td></td>
<td>30</td>
<td>LOW</td>
<td></td>
</tr>
<tr>
<td>NO RESTRICTIONS</td>
<td>FIRE RESISTANT BOARDS</td>
<td>THIRD PARTY CERTIFICATION</td>
<td>90</td>
<td>NONE</td>
<td></td>
</tr>
<tr>
<td>(FM 6050, UL 1275)</td>
<td></td>
<td>EN 14470-1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MAXIMUM SAFETY</td>
<td></td>
<td>EN GS FM</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
ADDITIONAL POINTS TO CONSIDER

DO NOT USE SUCH CABINETS FOR STORING FLAMMABLES
1. Type of building

**MIDSIZE / LARGER**
- Laboratories small and medium sized

2. Location

**UP TO FIRST FLOOR**
- Fire brigade close by

3. Evacuation time

30 minutes fire resistance gives limited time to
- evacuate the building
- for rescue forces to enter the building

4. Legal consequences

**ACCEPTED BY MOST INSURANCE COMPANIES**
- Reduced personal liability

**ADDITIONAL POINTS TO CONSIDER**
- Larger quantities permissible
- One cabinet per work room (recommended)
SAFETY ASPECTS

1. Sealed door gaps ✓ YES
2. Self-closing doors ✓ YES
3. Insulation ✓ YES
4. Defined air flow ✓ YES
5. Similar performance as a store room ✓ YES
6. Maximum flexibility when choosing point of use ✓ YES

YOUR SAFETY CHECKLIST

1. Type of building
   ANY SIZE AND TYPE
   • Open space laboratories
   • High risk areas

2. Location
   ANYWHERE
   • High rises
   • Remote areas

3. Evacuation time
   90 minutes fire resistance gives sufficient time to
   • evacuate the building
   • enter the building for fire-fighting measures and rescue operations

4. Legal consequences
   FULL ACCEPTANCE BY INSURANCE COMPANIES
   • Reduces personal liability as much as possible

ADDITIONAL POINTS TO CONSIDER
NONE
BE ON THE SAFE SIDE
ALWAYS CONSIDER:

1 Distance
2 Surroundings
3 Evacuation Times
4 Economic Impact
Watch the Video: Comparison Of Safety Storage Cabinets For Flammables

www.youtube.com/asecoschannel