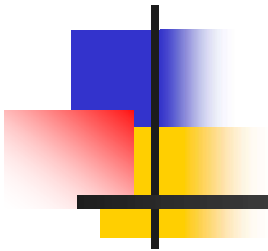


BURGLAR – RESISTIVE SAFES & FIRE – RESISTIVE SAFES



Security & Safty

ISO9001
ISO14001

Kumahira

October, 2023



YOU FEEL SECURE WITH KUMAHIRA SUPERIOR SAFE SERIES

KUMAHIRA Burglar-Resistive Safes and Fire-Resistive Safes have the purpose and feature for each.

Burglar-Resistive Safe is suitable to protect money, important documents against robbery and fire. When you attach importance to Fire-Resistance, you can choose Fire-Resistive Safe which protects the documents from fire.

You can choose the best safe from KUMAHIRA SAFE SERIES.

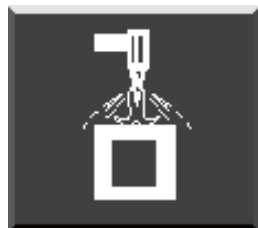
BURGLAR-RESISTANCE PERFORMANCE

KUMAHIRA ALLOY - Exclusive Protective Armor Plate -

Kumahira Alloy has a superior protection feature against acetylene torch, drill and attack.

<GM Series, GAC Series>

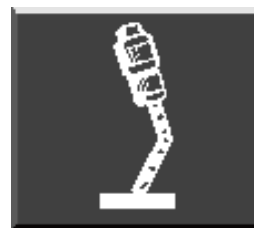
ACETYLENE TORCH TEST



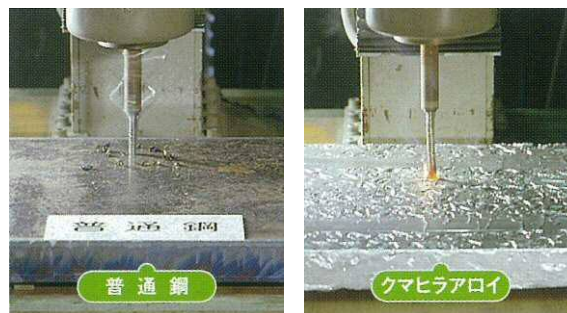
An oxy-acetylene torch cannot penetrate Kumahira Alloy.



DRILL TEST



Proved completely effective against attacks by super-hand tip drill.



SHOCK TEST



1,500 kg metal ball was dropped on a slab of Kumahira Alloy from 4m height. Kumahira Alloy was not damaged.



BURGLAR-RESISTANCE PERFORMANCE

BURGLAR-RESISTANCE STANDARDS

(Authorized by 日本セーフ・ファニチュア協同組合連合会 :

The Federation of Japan Safe Furniture Cooperatives)

- Burglar-Resistance Standards in JAPAN -

Burglar-Resistance Standards are divided into various classes (TRTL/ TL/ TS) depend on the test method and tool.

TRTL (Endurance Test against Torch and Tool)

TRTL is the standard to be endured for the specified time by burning off with gas burner and breaking with tools like hammer or drill. Test time is 60 min. for TRTL-60 and 30 min. for TRTL-30.

<GM Series (TRTL-60)/ GAC Series (TRTL-30)>



TL (Endurance Test against Tool)

TL is the standard to be endured for the specified time by breaking with tools like hammer or drill.

Test time is 30 min. for TL-30 and 15 min. for TL-15.

<GSA Series (TL-30)/ TSA Series (TL-15)>



TS (Endurance Test against Tool)

TS is the standard to be endured for the specified time by breaking with tools like bar or graver. Test time is 15 min. for TS-15.

<FAC Series, FM Series>



FIRE-RESISTANCE PERFORMANCE

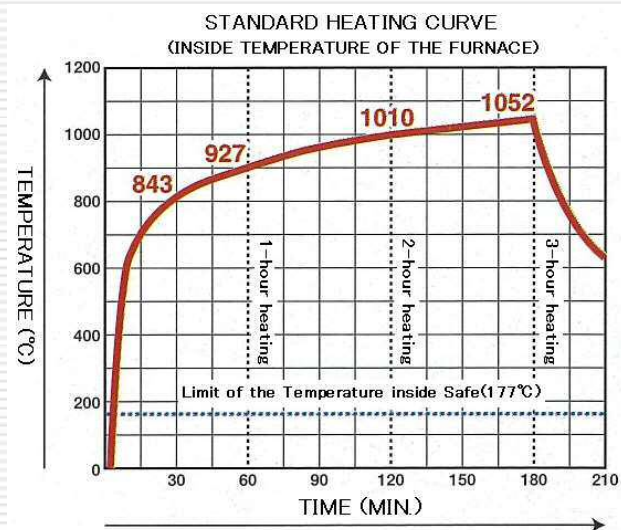
FIRE-RESISTANCE STANDARDS

(Authorized by JIS ; Japanese Industrial Standards Committee)

- Standard Heating Test for Paper -

The test pieces (newspaper) are put inside the safe and the safe is heated in the furnace for necessary hours.
(Temperature inside the furnace - 1-hour : MAX 927°C 2-hour : MAX 1010°C 3-hour : MAX 1052°C)
The inside temperature of the safe should be kept under 177°C during the test.

After heating, the test pieces are checked.



FIRE-RESISTANCE PERFORMANCE

FIRE-RESISTANCE STANDARDS

(Authorized by JIS ; Japanese Industrial Standards Committee)

- Rapid Heating/ Impact Test for Paper -

Rapid heating and impact test is the test to confirm the strength of the safe in case of the fire accident at gas station or chemical factory which is supposed to rapid high-temperature.

Before putting the safe into the furnace, heat the furnace and keep at 1090°C. Then, put the safe into the furnace and heat it for 30 min. at 1090°C.

Additionally keep heating 30 min. for 3-hour fire-resistance safe

15 min. for 2-hour fire-resistance safe

0 min. for 1-hour fire-resistance safe,

and drop the safe from 9.1m height.

And then, start heating again 60 min. for 3-hour fire-resistance safe

45 min. for 2-hour fire-resistance safe

30 min. for 1-hour fire-resistance safe.

After the heating, wait until the safe cools down and check the damage of the body and test pieces (newspaper) in the safe.



MARKS

BURGLAR-RESISTANCE (THE FEDERATION OF JAPAN SAFE FURNITURE COOPERATIVES)



TRTL-60
Against torch and tool 60 min.



TRTL-30
Against torch and tool 30 min.



TL-30
Against tool 30 min.



TL-15
Against tool 15 min.



TS-15
Against tool 15 min.

FIRE-RESISTANCE for PAPER (JIS : JAPANESE INDUSTRIAL STANDARDS)



3-hour fire-resistance



2-hour fire-resistance



1-hour fire-resistance



Rapid heating/ Impact resistance



FIRE - RESISTIVE SAFE

TS-15 BY JAPAN SAFE FURNITURE
2-HOUR FIRE-RESISTANCE AND RAPID HEATING/
IMPACT RESISTANCE BY JIS : PR-2TKS

FAC Series - combination lock type -



FAC-06a

OUTSIDE : W578 X D686 X H700 mm
INSIDE : W376 X D348 X H333 mm
NET WEIGHT : 235 kg
CAPACITY : 61 lit.
LOCK :
1 X 3-WHEEL COMBINATION LOCK
1 X CYLINDER LOCK
WITH RELOCKING DEVICE
ACCESSORIES :
1 X ADJUSTABLE SHELF
1 X DRAWER
DRAWER INSIDE :
W359 X D278 X H63 mm



FAC-12a

OUTSIDE : W578 X D686 X H1135 mm
INSIDE : W376 X D348 X H730 mm
NET WEIGHT : 345 kg
CAPACITY : 122 lit.
LOCK :
1 X 3-WHEEL COMBINATION LOCK
1 X CYLINDER LOCK
WITH RELOCKING DEVICE
ACCESSORIES :
2 X ADJUSTABLE SHELF
1 X DRAWER
DRAWER INSIDE :
W359 X D278 X H101 mm



FAC-21a

OUTSIDE : W714 X D792 X H1135 mm
INSIDE : W512 X D454 X H853 mm
NET WEIGHT : 430 kg
CAPACITY : 213 lit.
LOCK :
1 X 3-WHEEL COMBINATION LOCK
1 X CYLINDER LOCK
WITH RELOCKING DEVICE
ACCESSORIES :
2 X ADJUSTABLE SHELF
OPTIONAL ITEM : 1 X DRAWER
DRAWER INSIDE :
W495 X D405 X H101 mm



FAC-28a

OUTSIDE : W744 X D812 X H1440 mm
INSIDE : W512 X D454 X H1128 mm
NET WEIGHT : 630 kg
CAPACITY : 280 lit.
LOCK :
1 X 3-WHEEL COMBINATION LOCK
1 X CYLINDER LOCK
WITH RELOCKING DEVICE
ACCESSORIES :
3 X ADJUSTABLE SHELF
OPTIONAL ITEM : 1 X DRAWER
DRAWER INSIDE :
W495 X D405 X H101 mm