



AMERICAN SECURITY PRODUCTS COMPANY

GUIDE TO SAFE LABELS

G.S.A. Approved Class 1-2-3-4-5-6 Security Containers
for the U.S. Government.

Federal Specifications (AA-F-358F) for filing cabinet, steel, legal and letter size, insulated and non-insulated, security. (Government security containers).

Conforms to standards for security equipment as set forth in "National Security Council Directive Governing the Classification, Downgrading, Declassification and Safe Guarding of National Security Information".

General:

Specifications are always reviewed and notes made where improvements may be added.

Face hardware (excluding combination locks) shall be satin finished anodized aluminum or type 430 corrosion resistant steel or satin finished chromium or steel or on die-cast zinc, brass or bronze.

Paint color to be gray No. 26134 of Federal Standard 595.

Non-insulated containers must satisfactorily pass a 36" and a 30' drop test.

If insulated, unit must be UL "C" rated fire-resistive (Class 350-1 hour) or be certified by the manufacturer to be at least that level. Overall dimensions and weight of safe and drawers are specifically stated, as are the drawer components, suspension, latch, pull handle, label holder and stops.

The containers and their locks must pass a radiological test (to determine lock combinations), forced entry test, and general material inspection tests; the rack, suspension, drawer pull, follower block, and moving tests are all carried out.

Containers are to be specifically packaged for delivery as per sections 5.0-5.3.2.

All containers will be marked on the outside of the front face of the container "General Services Administration Approved Security Container" along with the name of the manufacturer.

All containers will have a certification label affixed to the external side of the locking drawer stating: "This is a U.S. Government Class (number specified here) Cabinet which has been approved by GSA under Federal Spec. AA-F-357F, and it affords the following protection:

EXAMPLE:

30 Man-minutes against surreptitious entry

10 Man-minutes against forced entry

20 Man-hours against lock manipulation

20 Man-hours against radiological techniques

All units must be equipped with a combination lock capable of resisting manipulation and radiological attack for 20 man hours.

In addition the following requirements apply:

- Class 1 Insulated (1 hour)
10 minutes forced
30 minutes surreptitious
- Class II Insulated (1 hour)
5 minutes forced
20 minutes surreptitious
- Class III Not insulated
No forced entry test requirement
20 minutes surreptitious
- Class IV Not insulated
5 minutes forced
20 minutes surreptitious
- Class V Not insulated
10 minutes forced
30 minutes surreptitious
- Class VI Not insulated
No forced entry test requirement
30 minutes surreptitious

Class VI equipment is approved for storage of classified information including top secret. Insulation and forced entry features are not required.

All containers will also bear an identification label on the side of the locking drawer showing the cabinet model and serial number, year of manufacture and government contract number.

All containers must have a UL rated Group 1 or 1R combination lock installed and be equipped with a top reading (spy-proof) dial ring and snap on dust cover.



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Broad Form & Mercantile Safe **INSURANCE CLASSIFICATIONS**
as per the Insurance office's Manual of Burglary Insurance*

Money & Securities Broad Form Policy

Coverage A (loss inside the premises)

pays for loss of money and securities by the actual destruction, disappearance or wrongful abstraction thereof within the premises or within any banking premises or similar recognized places of safe deposit; and also loss of other property by safe burglary or robbery within the premises or attempt thereof, and for loss of locked cash drawer, cash box or cash register by felonious entry into such container within the premises or attempt thereof or by felonious abstraction of such container from within the premises, and for damage to the premises by such safe burglary, robbery or felonious abstraction, or by the following burglarious entry into the premises to attempt thereof, provided with respect to damage to the premises the insured is the owner thereof or is liable for such damage.

Coverage B (loss outside the premises) pays for loss of money and securities by the actual destruction, disappearance or wrongful abstraction thereof outside the premises while being conveyed by a messenger or any armored motor vehicle company or while within the living quarters in the home of any messenger; and also loss of other property by robbery outside the premises or attempt thereof while such property is being conveyed by a messenger or any armored motor vehicle company, or by theft while within the living quarters in the home of any messenger.

Mercantile Safe Burglary Policy

The Mercantile Safe Burglary Policy pays for loss of money, securities and other property from within the vault or safe by safe burglary or attempt thereof; and also for damage to property, other than money and securities, and to the premises by such safe burglary or attempt thereof, provided, with respect to damage to the premises, the insured is the owner thereof or is liable for such damage.

Safe, Chest and Cabinet Classifications

Each safe, chest or cabinet must be equipped with at least one combination lock except a safe or chest equipped with a key lock and bearing the label, "Underwriters' Laboratories, Inc. Inspected Keylocked Safe KL Burglary".

*	**	CONSTRUCTION	
		DOORS	WALLS
B (Burglar-resistant)	B (Burglar-resistant)	Steel less than 1" thick, or iron	Body of steel less than 1/2" thick, or iron
C (Burglar-resistant)	C (Burglar-resistant)	Any iron or steel safe or chest having a slot through which money can be deposited. Includes all Fire Resistive Safes and Insulated Filing Devices with combination locks.	
E (Burglar-resistant)	E (Burglar-resistant)	Steel at least 1" thick	Body of steel at least 1/2" thick
ER (Burglar-resistant)	ER (Burglar-resistant)	Safe or chest bearing following label: "Underwriter's Laboratories, Inc. Inspected Keylocked Safe KL Burglary".	
F (Burglar-resistant)	F (Burglar-resistant)	Safe or chest bearing following label: "Underwriter's Laboratories, Inc. Inspected Tool Resisting Safe TL-15 Burglary".	
G (Burglar-resistant)	H (Burglar-resistant)	Safe or chest bearing one of the following labels: "Underwriters' Laboratories, Inc. Inspected Tool Resisting Safe TL-30 Burglary". "Underwriters' Laboratories, Inc. Inspected Torch Resisting Safe TR-30 Burglary" (discontinued by U.L.) "Underwriters' Laboratories, Inc. Inspected Explosive Resisting Safe with Relocking Device X-60 Burglary". (discontinued by U.L.)	
G (Burglar-resistant)	I (Burglar-resistant)	Safe or chest bearing one of the following labels: "Underwriters' Laboratories, Inc. Inspected Torch and Explosive Resisting Safe TX-60 Burglary". (discontinued by U.L.) "Underwriter's Laboratories, Inc. Inspected Torch Resisting Safe TR-60 Burglary" (discontinued by U.L.) "Underwriters' Laboratories, Inc. Inspected Torch and Tool Resisting Safe TRTL-30 Burglary".	
		Safe or chest bearing one of the following labels: "Underwriters' Laboratories, Inc. Inspected Torch and Tool Resisting Safe TRTL-60 Burglary". "Underwriters' Laboratories, Inc. Inspected Torch, Explosive and Tool Resisting Safe TXTL-60 Burglary".	

* Information available from:
Insurance Services Office
160 Water Street
N.Y., N.Y. 10038



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Bank Safe **INSURANCE CLASSIFICATIONS** as per the Insurance office's Manual of Burglary Insurance*

Bank Excess Burglary and Robbery Policy

The bank burglary insuring agreement covers loss by burglary of money and securities from within specified safes or vaults occasioned by any person making forcible entry therein and damage to money and securities caused by such burglary or attempt thereat, or by vandalism or malicious mischief; also damage (except by fire) to the premises and to all furnishings, fixtures, equipment, safes and vaults therein caused by such forcible entry or attempt thereat into any safe or vault in the premises or caused by vandalism or malicious mischief, provided the insured is the owner of such property or is liable for such damage.

The bank robbery insuring agreement covers loss by robbery of money and securities occurring within any part of the insured's premises and damage to money and securities caused by such robbery or attempt thereat, or by vandalism or malicious mischief; also damage (except by fire) to the premises and to all furnishing, fixtures, equipment, safes and vaults therein caused by such robbery or attempt thereat, or by vandalism or malicious mischief, provided the insured is the owner of such property or is liable for such damage.

Bank Safe Construction

Each door of each safe, chest or security locker must be equipped with at least one combination lock, except a safe, chest or security locker equipped with a labeled Underwriters' Laboratories, Inc. approved key lock.

The thickness of steel in doors is exclusive of bolt work and locking devices. If a safe has more than one combination locked door (one in front of the other) the combined thickness of the steel in the doors, excluding any door with less than one inch of steel, shall be used in applying the bank safe classifications.

Night Depository — This is a unit consisting of a head, chute and receiving safe in which deposits can be made from outside the bank. Deposits are made in a bag or envelope.

* Information available from:
Insurance Services Office
160 Water Street
N.Y., N.Y. 10038

BANK SAFE Policy Classification Safe, Chest or Security Locker	CONSTRUCTION	
	DOORS (combination locked)	WALLS
A	Steel less than 1" thick, or iron	Body of steel less than 1/2" thick, or iron
B	Steel at least 1" thick.	Body of steel at least 1/2" thick.
	Night depository — steel at least 1-1/2" thick	Body of steel at least 1" thick
BR	Steel at least 1-1/2" thick	Body of steel at least 1" thick
	Safe or chest bearing the label: "Underwriters' Laboratories, Inc., Tool Resisting Safe TL-15 Burglary"	
	Night depository — Receiving safe to be equal to at least Class "BR"	
C	Steel at least 2" thick	Body of steel at least 2" thick
	No longer manufactured	
D	Steel at least 2" thick	Body of steel at least 2" thick
	When contained within a safe:	
E	Steel at least 1" thick	Body of steel less than 1/2" thick, or iron
	No longer manufactured	
F	Steel at least 2" thick	Body of steel at least 2" thick
	When contained within a safe:	
G	Steel at least 2" thick	Body of steel less than 1/2" thick, or iron
	No longer manufactured	
H	At least two: Steel aggregating 5" or more in thickness — no door less than 1" thick.	Body of steel at least 2" thick
	No longer manufactured	
I	Round lug-type steel at least 1-1/2" thick	Body of steel at least 1" thick
	If this safe is outside of a vault, this safe is to be encased in at least 6" of reinforced concrete and the door is to be equipped with at least a two movement timelock.	
J	Safe or chest bearing one of the following labels: "Underwriters' Laboratories, Inc., Inspected Tool Resisting Safe TL-30 Burglary" "Underwriters' Laboratories, Inc., Inspected Torch Resisting Safe TR-30 Burglary" (discontinued by U.L.) "Underwriters' Laboratories, Inc., Inspected Explosive Resisting Safe with relocking Device X-60 Burglary"	
	Safe or chest bearing one of the following labels: "Underwriters' Laboratories, Inc., Inspected Torch and Explosive Resisting Safe TX 60 Burglary" (discontinued by U.L.) "Underwriters' Laboratories, Inc., Inspected Torch Resisting Safe TR-60 Burglary" (discontinued by U.L.) "Underwriters' Laboratories, Inc., Inspected Torch and Tool Resisting Safe TRTL-30 Burglary"	
K	Safe or chest bearing one of the following labels: "Underwriters' Laboratories, Inc., Inspected Torch and Tool Resisting Safe TRTL-60 Burglary" "Underwriters' Laboratories, Inc., Inspected Tool Resisting Safe TXTL-60 Burglary"	



AMERICAN SECURITY PRODUCTS COMPANY

JAPANESE INDUSTRIAL STANDARDS (J.I.S.)

Fire Star Fire Safes and Data Safes are manufactured in Japan for American Security Products Company (AMSEC/STAR SAFE). They therefore carry the J.I.S. (Japanese Industrial Standards) ratings. The following is an explanation of what J.I.S. is and of what the J.I.S. tests for Fire & Data Safes consist of.

J.I.S. (Japanese Industrial Standards) is basically to Japan what U.L. (Underwriter's Laboratories) is to the United States. It was established in 1921 via legislation by the Japanese National Government.

The purpose of J.I.S. was originally to set minimum requirements for products procured from Japanese private industry by and for the Japanese Government, and to devise tests for such products as well as to conduct these tests in order to ensure that the products met the minimum requirements.

Later J.I.S. evolved into not only a testing agency for the government but also a testing and certification agency for the entire spectrum of Japanese manufactured consumer products much as U.L. functions in the United States. This is the role of J.I.S. today.

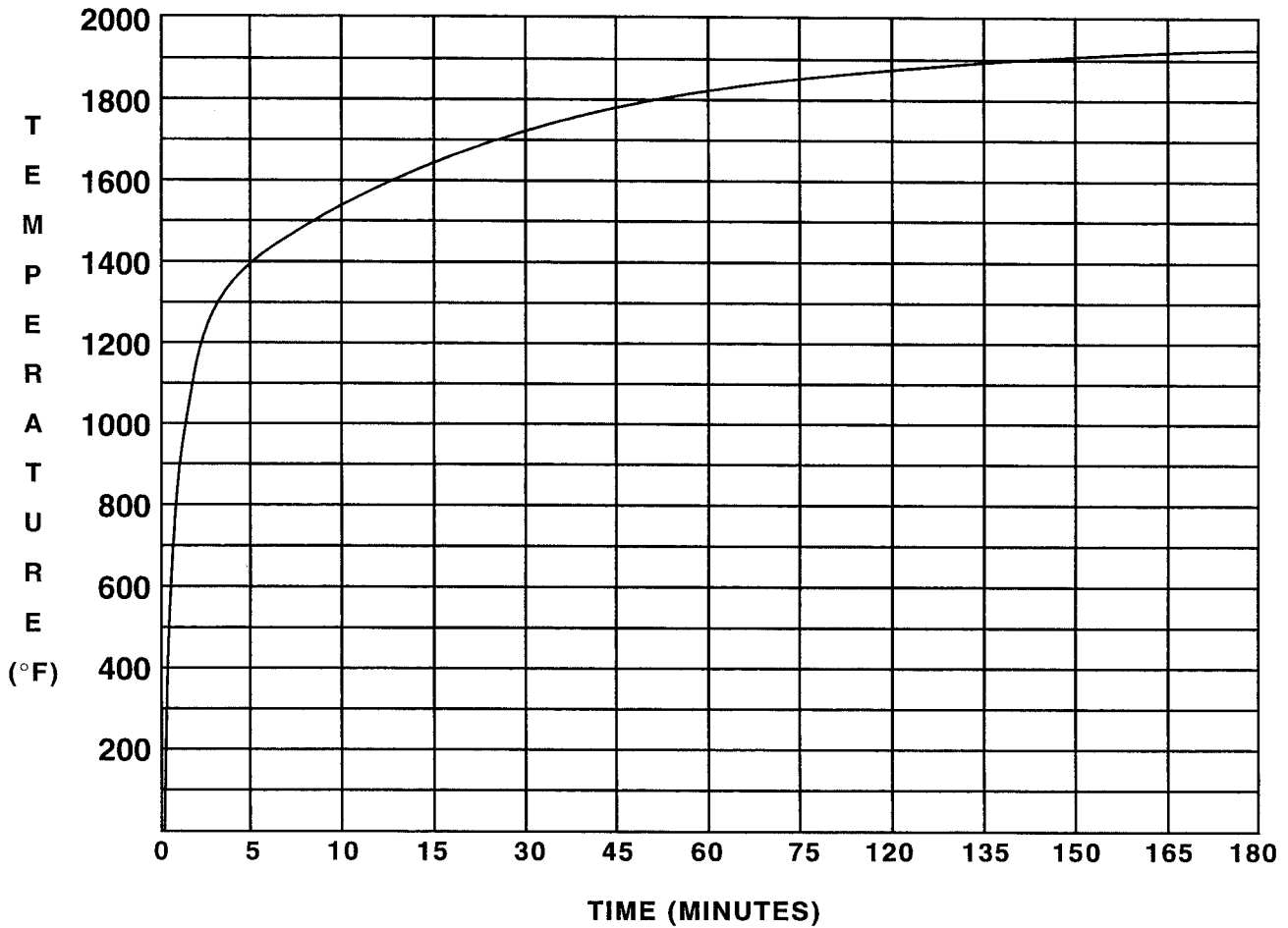
The following are ratings, classifications and compositions of J.I.S. Fire Resistance tests. Media stored in safes remains protected in accordance with the rating and related tests.

RATING:	FIRE ENDURANCE TEST:	RAPID HEATING TEST, (EXPLOSION HAZARD TEST:)	FIRE IMPACT TEST:
3 Hour	The sample safe is tested for 3 hours in a furnace heated to temperatures in accordance with the J.I.S. Standard Time/Temperature curve.	The sample safe is tested in a furnace which is heated to 1625°F. within 10 minutes after it is put into the furnace. The test is continued for 30 minutes.	The sample safe is subjected to the standard fire exposure for 1 hours, removed from the furnace, and then dropped from a height of 13 ft. It is then returned to the furnace upside down and reheated to the standard fire exposure for 1 hour.
2 Hour	The sample safe is tested for 2 hours in a furnace heated to temperatures in accordance with the J.I.S. Standard Time/Temperature curve.	The sample safe is tested in a furnace which is heated to 1625°F. within 10 minutes after it is put into the furnace. The test is continued for 30 minutes.	The sample safe is subjected to the standard fire exposure for 45 minutes then removed from the furnace and dropped from a height of 13 ft. It is then returned to the furnace upside down and reheated to the standard fire exposure for 1 hour.
1 Hour	The sample safe is tested for 1 hour in a furnace heated to temperatures in accordance with the J.I.S. Standard Time/Temperature curve.	The sample safe is tested in a furnace which is heated to 1625°F. within 10 minutes after it is put into the furnace. The test is continued for 30 minutes.	The sample safe is subjected to the standard fire exposure for 30 minutes, removed from the furnace and then dropped from a height of 13 ft. It is then returned to the furnace upside down and reheated to the standard fire exposure for 1 hour.

At the option of the manufacturer the fire impact test and the rapid heating test (explosion hazard test) can be combined and conducted on one sample safe.



JIS STANDARD TIME-TEMPERATURE CURVE



TIME (MIN)	5	10	15	20	25	30	35	40	45	50	55	60
TEMP (°F)	1005	1300	1400	1465	1510	1545	1580	1615	1645	1660	1680	1695
TIME (MIN)	65	70	75	80	85	90	95	100	110	120		
TEMP (°F)	1715	1735	1750	1770	1785	1795	1805	1815	1830	1850		
TIME (MIN)	130	140	150	160	170	180						
TEMP (°F)	1860	1875	1885	1905	1915	1920						