



Composite Safes

Custom built to your specifications for superior security

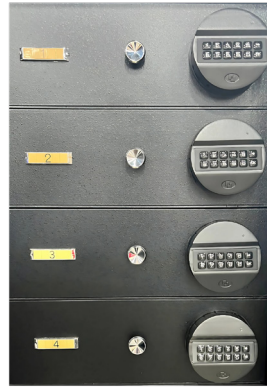


HAMILTON
BY **GUNNEBO**[®]

Composite Safes



An alternate to plate steel, composite safes have a body & door that consist of thin steel forms filled with high-performance, high-tech aggregate.



SECURITY RATINGS:

- TL-15, TL-30, TRTI-30, TRTL=30x6, TL-30X6
- **Coming Soon!** - TRTL-60X6
- 2-HOUR FIRE RATING

BODY:

- 2" COMPOSITE FOR TL-15 AND TL-30
- 4" COMPOSITE FOR TL-30X6

DOOR: TL-15 = 2" | TL-30 = 4"

BOLTWORK:

- SOLID STEEL BOLTS
- MECHANICAL RELOCKER INCLUDED TO PROVIDE A SECONDARY DEFENSE

TYPES:

TELLER SAFE | TELLER RECEIVERS
DEPOSITORIES | SQUARE SAFE
PORTABLE VAULTS

THE INGREDIENTS MATTER



Safe Differentiators

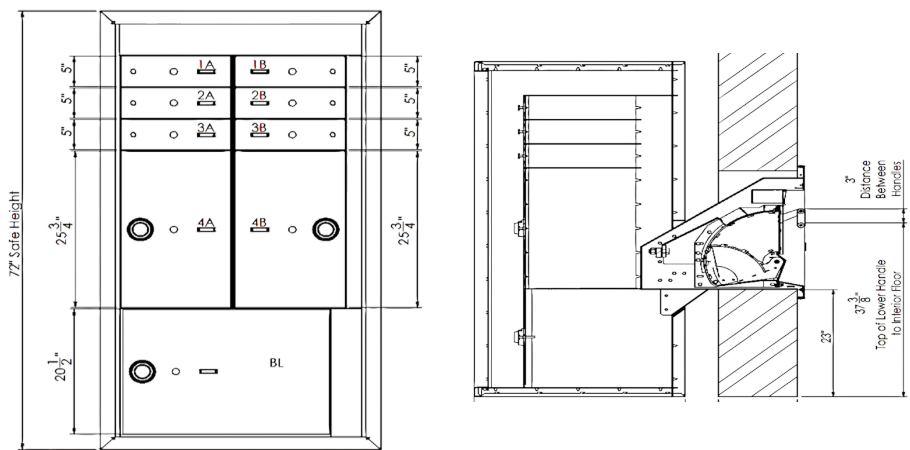
- Composite construction rather than steel-same UL certification plus 2-hour fire protection, less volatile to rising steel costs, faster lead time
- Custom steel lockers rather than undercounter construction
- Mule-combination night depository and cash chest. Less space/Lower total cost
- Custom sizes and interiors
- IP Lock consideration
- Manufactured in Milford, OH

Composite Details

- Manufactured in our own factory to allow us to control quality and create custom solutions.
- Proprietary high strength composite concrete that is continually improving.
- The Hamilton proprietary mix design yields 13-14,000 PSI concrete.

Night Depository and Cash Safe

Schematic Drawing:



Night Depository



The Composite Process

13-14000 PSI. PSI increases as the concrete cures.

- Sidewalk concrete is 3,000psi.
- This gives our concrete the same tensile strength as 3/4" mild steel plate.

The ingredients are proprietary, but here are some details:

- The aggregate that we use in our concrete aggregate, be Blast Mined due to how hard the rock is
- We don't use a lot of water to make it flow. We have Super Plasticizers (Water Reducer) and retarder that goes into the concrete as needed to maintain our strengths.
- Moisture probes are throughout the bins and mixer to monitor the moisture level in the aggregate, so the correct amount of chemicals is put in.

We pour test cylinders from each batch, and they are picked up and tested by an outside company.

- These records are kept in house and UL audits us quarterly to ensure we are pouring what we tested.

All ingredients are measured by the computer to ensure consistency.

The Aggregate Difference

- MOHS Hardness Scale of **7** a Diamond is a 10
- **Explosion mined** versus digging because of the hardness
- L.A. Abrasion % wear is **17.00**

Physical Analysis

- Specific Gravity - ASTM C128-84 - 2.65
- Absorption - ASTM C128-84 .20
- 5 Cycle Sodium Sulfate Soundness - ASTM C88-83 >.20
- Fusion Temperature - ASTM D1857-68
 - Initial Deformation 2475F
 - Softening 2580F
 - Hemispherical 2685F
 - Fluid + 2700F
- Potential Reactivity - ASTM C289-81
 - R(c) 21.7
 - S(c) 87.5
- Compressive Strength - ASTM D2938 - 47,000 psi

HAMILTON

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Manufacturers and providers of the latest in drive-up systems, modular vaults, vault doors, night depositories, physical security containers, alarm systems, safe deposit boxes and surveillance equipment.

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