



HUSSEY COPPER

CONSTRUCTION COPPER



ROOFING CONTRACTOR: NHO CONTRACTING CO., PITTSBURGH, PA

MECHANICAL PROPERTIES:

Copper		Tensile *(KSI)	Min. Yield	+Approx. Rockwell F
Flat Sheet				
H00	Cold Roll 1/8 Hard	32-40	20	54-82
Gutter & Downspout Coil				
H03	Cold Roll 3/4 Hard	42-50	32	82-91

*1 KSI = 1000 psi

+Rockwell F hardness applies to metal .020" or thicker

PHYSICAL PROPERTIES of Cold Rolled Copper:

Specific Gravity	8.89 - 8.99
Density	0.322 Lb/Cu in @ 68 deg F
Thermal Conductivity	226 BTU/sq. ft @ 68 deg F
Coefficient of Expansion	0.0000098/deg F from 68 deg F to 572 deg F
Modulus of Elasticity (tension)	17,000,000 psi
Shear Strength	25,000 psi

GALVANIC CORROSION:

When dissimilar metals are in contact with another in the presence of an electrolyte (such as rainwater running from one surface to another) galvanic action may occur. This will result in the deterioration of the metal with the lower galvanic number.

Copper has the highest galvanic number of the active metals and will not be harmed by contact with them. It will cause corrosion of the metals if in direct contact with them. The principal metals for concern are zinc (galvanized steel) and aluminum. In most cases, it is not necessary to isolate copper from lead, tin or stainless steel.

Galvanic Scale (Nobility) of Common Metals

1. Aluminum	4. Iron	7. Lead
2. Zinc	5. Stainless Steel (Active)	8. Copper
3. Steel	6. Tin	9. Stainless Steel (Passive)

TENSION LEVELED:

All Hussey sheet and coil are tension leveled to assure uniform flatness.

WARRANTY:

We hereby certify that the Hussey Copper COPPER SHEET(S) AND STRIP(S) are manufactured in compliance with ASTM B-370.

All copper products must be stored in a dry environment prior to installation.

We guarantee that this material, as shipped, will not leak due to defects in our workmanship. We warrant this material for fifty (50) years from the installation date. This warranty is limited to our product only, and does not cover construction and installation.