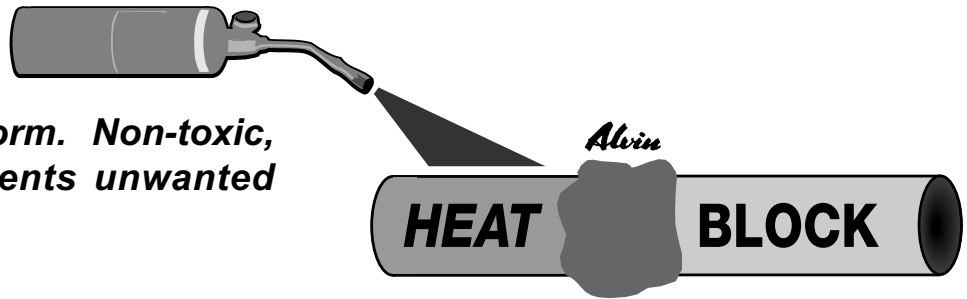


Insulator in paste form. Non-toxic, easy to use, prevents unwanted heat transfer.



Alvin HEAT BLOCK is a heat absorbing paste which insulates against heat transfer during welding, soldering, brazing or other heat treatment.

The unique heat absorption properties protect closely soldered parts, valve gasketing, thin gauge metal, and other materials which could be damaged during repair or installation work. HEAT BLOCK is used to protect wire insulation when soldering connections, and to protect plastic drain pipes in close proximity to metal pipes being replaced and soldered. HEAT BLOCK prevents distortion to light gauge metals, protects rubber and plastic components, and protects painted or finished surfaces during adjacent soldering, brazing or welding.

This nontoxic material is applied directly from the container, and either formed around the surface of metal (a pipe, for example), or spread onto the surface to prevent heat damage.

Applications:

HEAT BLOCK is used in welding, automotive, HVACR, plumbing and shipyard industries, as well as other specialized industries, to prevent unwanted heat transfer. HEAT BLOCK will:

- Automotive**
 - protect painted surfaces, wiring, tubing (plastic & rubber)
 - protect against distortion of thin sheet metal when soldering
- Welding**
 - prevent surface discoloration of welded stainless
 - protect surrounding surfaces from flame
 - prevent damage to valves in close proximity to weld area
 - prevent spatter from adhering to surrounding surfaces
- Plumbing**
 - protect surrounding surfaces from flame and heat
 - protect pipe insulation from flame and heat damage
 - protect plastic piping in close proximity to flame being applied to metal piping
 - prevent damage to adjoining valves, washers during sweating and soldering
- Shipboard**
 - protect bulkheads when welding and pipe sweating
 - protect cable from heat and flame during welding and plumbing repairs
 - protect valve gaskets during plumbing repairs



Heat Block effectively absorbs surface heat, protecting adjoining surfaces that may be damaged by welding, soldering or brazing.

Product performance test results: Pipes of various types were subjected to intense flame from a propane torch. The flame was removed from the pipe and the surface temperature was recorded. (Temperatures were taken 2.5 inches from the flamed surface). Results follow:

<u>Pipe / Initial Temp.</u>		<u>Protected side:</u>	<u>Flame area:</u>	<u>Unprotected side:</u>
Galvanized steel pipe (Initial 85°F)	Heat Block	85°F	600°F	415°F
	Brand C	88°F	600°F	416°F
Iron pipe (Initial 82°F)	Heat Block	98°F	770°F	280°F
	Brand C	115°F	600°F	275°F
Copper pipe (Initial 78°F)	Heat Block	160°F	410°F	265°F
	Brand C	160°F	360°F	260°F

The results show that in all three tests, Heat Block surpassed the performance of “Brand C”.

