



- ENERGY PERFORMANCE
- NOISE CONTROL
- LIGHT REFLECTIVE FINISH
- IDEAL FOR NEW CONSTRUCTION & RENOVATION

**PRODUCT DESCRIPTION**

The spray application of K-13 eliminates voids, gaps and compressions that occur with prefabricated insulations. This monolithic coating results in K-13's outstanding field performance. K-13 utilizes a patented adhesive system which adheres to virtually any substrate including glass, urethane, styrofoam, wood, metal and concrete.

**THERMAL PERFORMANCE**

K-13 can be installed from 3/4" to 4" without mechanical support. This will provide R values from 3 to over 16. Independent field tests comparing K-13 and fiberglass batts in buildings of identical construction showed that K-13 sprayed 1" thick on 26 gauge metal out-performed 2" fiberglass batts. The savings difference between the buildings exceeded 2,400 KWH per month. K-13 is also an excellent insulator in unconditioned buildings. Field tests demonstrate that 100° outdoor temperatures are reduced to as low as 85° at indoor floor level areas. In colder climates, heat generated from operations has often provided enough heat to keep the building comfortable after treatment with K-13. This results in greater worker comfort and increased shelf life of temperature sensitive inventories.

**ACOUSTIC PERFORMANCE**

K-13 reduces reverberation and noise levels. The result is a more comfortable working environment providing greater utilization of the building. Overall noise level reductions of over 8-15 dB have been obtained in many different industrial applications. This high acoustical absorption assists in meeting OSHA noise level requirements.

**Metal Building Compressor Station**

Frequency	125hz	250	500	1000	2000	4000
Before K-13	90dB	93	94	95	99	106
After K-13	78dB	75	76	76	80	82

The unique acoustical properties of K-13 also substantially reduce sound transfer between walls and floors. This is ideal where offices or conference rooms are located adjacent to noisy areas. Acoustical enclosures can also be fabricated and sprayed inside with K-13 to isolate loud machinery. STC ratings from 30 to over 50 can be easily achieved with K-13.

**DURABILITY AND MAINTENANCE**

The adhesive used to apply K-13 provides a strong, durable and resilient bond. This unique combination of properties provides remarkable durability. K-13 will resist impact and abrasion without the cracking or spalling typical to many cementitious or plaster based materials.

**ADDITIONAL INFORMATION**

Additional information, design assistance, Material Safety Data Sheets, other product literature or a list of prominent installations are available on request. K-13 is installed by contractors trained and licensed by International Cellulose Corporation.

