

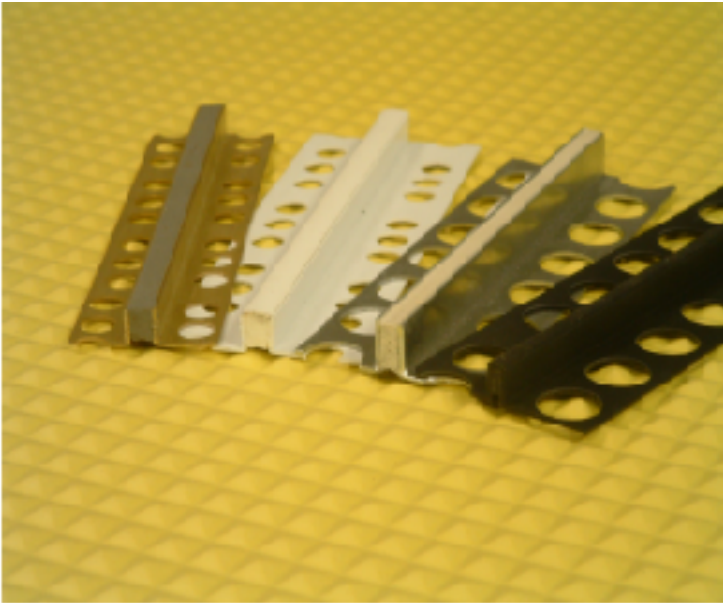
# National Metal Shapes Inc.

## *Terrazzo Division*

425 S. Sandusky St. Delaware, OH 43015

Phone: 1-800-837-9559 Fax: 1-740-363-3000

### **TERRAZZO EXPANSION JOINTS**



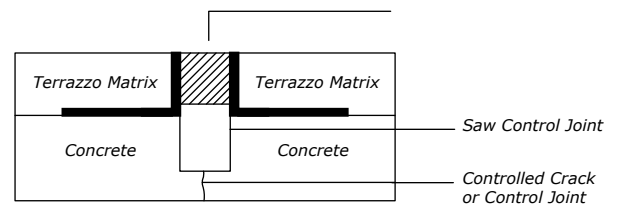
#### **PRODUCT DESIGN:**

National Metal Shapes Expansion joints are constructed in solid zinc, solid brass, solid aluminum or solid PVC with two perforated horizontal legs and two vertical arms, connected by a construction grade polyurethane. The vertical arms help channel mechanical stresses away from the edge the matrix and moves it down into the substrate where it is absorbed. The flexible construction grade polyurethane absorbs the stresses associated with expansion and contraction of the terrazzo matrix. The perforated supporting base has large oversized holes to allow maximum penetration of the matrix material for maximum bonding of terrazzo to substrate.

National Metal Shapes Expansion joints are factory made expansion joints which are designed for placement over control and cold joints. Expansion joints are a necessity in terrazzo installations.

#### **A Prefabricated Caulk Joint**

National's Fabricated Joint



### **POLYURETHANE SEALANT**

The sealant is an architectural grade polyurethane sealant capable of dynamic joint movement plus or minus 25% of the original joint width. The sealant produces a watertight joint with superior elasticity, durability and stress resistance. The polyurethane sealant meets or exceeds the requirements of TT-S-227E Class A, Type I; and conforms to ASTM C920 Standard Specification for Elastomeric Joint Sealants as Type M, Grade P, Class 25, Use T, A and M; Canadian Specification CAN/CGSB-19.24-M90.

- Available in zinc, aluminum, brass and PVC
- Available in depths from 1/8" to 1/2"
- Available in material from 16 gauge to 3/8" wide
- Filler material available in 40 standard colors
- Filler material can be custom matched to terrazzo matrix
- Custom filler widths are available