

Appendix C: Sealant Classifications

ASTM C 920

TYPES

Type	Description	Pros	Cons
Type S	Single component, typically air or moisture cured	Ease of use; no mixing, meaning less labor	Longer cure times, higher material expense
Type M	Two or more components chemically cured	Faster cure time and more consistent	Quality control concerns on the mixing of components; more labor intensive

GRADES

Grade	Description	Applications
Grade P	Pourable sealant, also referred to as self-leveling	Typically used for horizontal applications, sealants for traffic use are generally this grade
Grade NS	Nosag sealants	Used for traffic and nontraffic conditions, typically vertical joints and sloping horizontal joints

CLASSES

Class	Description	Applications
12-1/2	Sealant capable of handling movement, either contraction or expansion, of 12.5% of the original joint width	Nonmoving-type joints to joints with minimal movement
25	Sealant capable of handling movement, either contraction or expansion, of 25% of the original joint width	Joints designed for moderate amount of movement

Continued

Class	Description	Applications
35	Sealant capable of handling movement, either contraction or expansion, of 35% of the original joint width	Joints designed for moderate amount of movement
50	Sealant capable of handling movement, either contraction or expansion, of 50% of the original joint width	Joints designed for moderate amount of movement. Typically used in building façade systems and glazing
100/50	Sealant capable of handling movement of 50% contraction and 100% expansion	Joints designed for high amounts of movement; commonly used in façades of buildings in high-wind and/or seismic regions

USES

Use (Related to Exposure)	Description
Use T (Traffic)	Sealants used in joints subjected to vehicular or pedestrian traffic
Use NT (Nontraffic)	Used in horizontal joints not exposed to traffic, and for joints in walls, around fenestration, etc.
Use I (Immersible)	Sealants designed for use in areas subjected to water immersion
Use (Related to Material)	Description
Use M	Sealants used in contact with mortar
Use G	Sealants used in contact with glass
Use A	Sealants used in contact with aluminum
Use O	Sealants used in contact with all other materials other than those previously listed