INSS0285 Smoke & Acoustic Sealant

Description
INSS0285 is a high performance acrylic based sealant for sealing construction joints and through penetrations in non fire-rated assemblies.

Applications
Reducing the transmission of sound through wall openings.
Stopping the passage of smoke in smoke barrier walls.
Stopping air leakage to reduce the passage of dust and airborne infectious particles.

Features
- Low VOC, single component
- Excellent caulking and spraying properties
- Silicone, halogen, asbestos and solvent free.
- Excellent airborne sound insulation.
- Smoke and fume resistant.
- Easy clean up with water.
- Low volume shrinkage.
- Paintable.
*Available in caulking and sprayable grades.

Technical Data
- Color: White
- Chemical basis: Water based acrylic dispersion
- Density: 1.6 ± 0.1 g/cm³
- Skin-forming time: Approx. 25 min
- Curing time: 3mm/3days (@ 25°C/ RH50%)
- Elongation at break: 300%
- Typical thickness temperature: 1mm WFT = 0.7mm DFT
- Application temperature: 40° F - 104° F (5° C - 40° C)
- In-Service Temperature: -13° F - 176° F (-25° C - 80° C)
- Storage Temperature: 50° F - 95° F (10° C - 35° C)
- Mold and mildew (ASTM G21): Mold resistant (Class 0)
- Volume Shrinkage (ASTM C1241): 22.3%
- VOC: 42g/L
- Surface burning characteristics:
  - Flame spread: 0
  - Smoke development: 5
- STC Rating: 63 (per construction type)
- Packaging:
  - 310ml/Tube; 25Tubes/CTN
  - 20 fl oz./Sausage; 20 Sausages/CTN
  - 5Gal./Pail (SPRAYABLE)
Installation Guide (Caulking Type)

1. Application substrate should be cleaned of loose debris, dirt, oil, wax, grease and other contaminants the surface must be moisture and frost free.
2. Install backing material as needed. The depth of the joint should be 1/4" (6 mm) minimum to 3/8" (9 mm) maximum. Sealant can be applied with standard or bulk caulking guns, manual trowel or spray application. Apply sealant in opening and work into all areas eliminating voids or seams and making complete contact with substrate.

Spraying Guide (Spray Type)

1. Mix INSS0285 SPRAY thoroughly using a power agitator before application. Thinning is normally not required, if necessary, use potable water (3% max.) to adjust viscosity.
2. Apply via airless spray equipment in a single pass not more than 1mm WFT to prevent sagging.
3. Recommended sprayer:
   Model: Graco 1095 (3300psi)
   Filter in machine: 60 mesh
   Filter in spray gun: 100 mesh
   Tip: 517-523
4. Recommended application temperature shall be between 5~40°C (40~104°F).
5. Do not allow the sealant material to remain in hoses, gun or spray equipment when not in use. Clean all equipment with water immediately after use.
6. All unused sealant should be stored in a tightly closed container. Surface skinning may occur in a partially filled container in which case filter the material prior to use.
7. Wet film thickness approx.1mm cures to 0.64mm dry film. Thickness measurement – wet film thickness of sealant layer can be measured using a wet film thickness gauge. The dry film thickness can be verified using calipers or micrometers.

Limitations

- Not for use in areas immersed in water. The sealant can only be removed mechanically once cured.
- This product is NOT intended for use in fire rated construction.