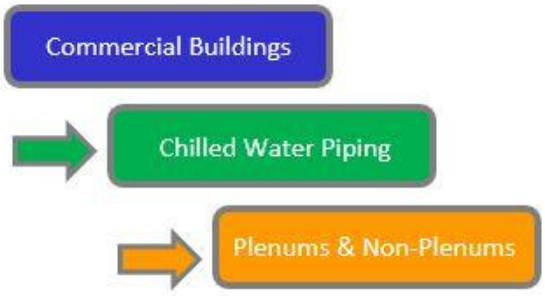
ITW INSULATION SYSTEMS

TECHNICAL BULLETIN

What is Trymer 25-50 PIR Insulation?

ITW Insulation Systems has developed a new version of Trymer Polyisocyanurate (PIR) Insulation with exceptionally low flammability. This product is called Trymer 25-50 PIR Insulation and yields the very low flame spread/smoke developed indices of ≤25/50 at thicknesses of up to 1.5" in the ASTM E84 test. Trymer 25-50 can be specified for use as pipe insulation in all commercial building locations including air plenums where a 25/50 flame/smoke performance is required.



While Trymer 25-50 is a new product to the Trymer PIR family, the product remains very similar in performance to our Trymer 2000XP (other than flame spread/smoke developed ratings). Like Trymer 2000XP, Trymer 25-50 also complies with ASTM C591, Grade 2, Type IV.

Technical Data Sheet

Recommended Usage in Chilled Water Applications

Coupled with Trymer 2000XP, Saran CX Vapor Retarder Film and Tape, and, in some cases, Trymer Supercel Phenolic insulation, ITW Insulation

Systems now offers the ideal product lineup for your mechanical insulation needs in commercial building chilled water applications.

For building with plenums:

- Use Trymer 25-50 in all locations (plenum and non-plenum) for the simplest installation.
- Use Trymer 25-50 in plenum locations and Trymer 2000XP in non-plenum locations for slightly more complex, but lower cost solution.

For building without plenums (e.g. most hospitals):

- If a ≤25/50 flame spread/smoke developed rating is NOT required by the specification, then use Trymer 2000XP in all locations for a lower cost solution.
- If a ≤25/50 flame spread/smoke developed rating is required by the specification even in the absence of plenums, then use Trymer 25-50 in all locations for the simplest installation.

For building locations with very high humidity:

- In very rare cases, the Trymer PIR insulation thickness required to prevent condensation on chilled water pipe inside a plenum could exceed 1.5". This would only occur with a combination of particularly cold chilled water, large pipe size (which is unlikely to run in a plenum), and unusually high relative humidity.
- For this situation, Trymer Supercel Phenolic insulation should be used either only on those pipes where greater than 1.5"is required or in all locations depending on the specifier's desire for specification simplicity versus cost savings.

Frequently Asked Questions (FAQs)

How to distinguish Trymer 25-50 from Trymer 2000XP?

- If both Trymer 25-50 and Trymer 2000XP are used on the same job, specifiers and contractors can be confident that these products will be used in their correct locations, since they have a very different appearance.
    - Trymer 25-50 is **GRAY**
    - Trymer 2000XP is **TAN**

What density is Trymer 25-50?

- Standard 2.0 lb/ft^3 density

How is Trymer 25-50 fabricated and installed?

- Using the same fabrication and installation methods as Trymer 2000XP
- Our "Trymer PIR in Chilled Water Applications" installation guideline includes language specific to Trymer 25-50

LEARN MORE

Questions? Contact our technical support team:
Phone: 800-231-1024
Email: **http://www.itwinsulation.com/info/inquiry.asp**

STAY CONNECTED:

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