

Next-gen isocyanate alternative for 2K systems

As the industry rapidly advances to meet the demand for intelligent, multifunctional products, it also faces sustainability and safety challenges, driven by stricter regulations and a demand for tangible solutions.

Leveraging decades of experience in advanced polymer solutions, Cargill has developed a high-performance product range that replaces the use of harmful isocyanates and alleviates the restrictive requirements associated with their use.

Bye-bye
isocyanate!

Beneficial solutions



Innovative

- Isocyanate alternative
- No EU REACH training* required
- Alleviates handling challenges typical of isocyanates
- Designed to meet the diverse needs of the coatings, adhesives and elastomers markets
- Different backbone design



Versatile performance

- Comparable with PU
- Mixing is similar to PU, enabling end users to utilize their existing equipment and cartridges
- Compatible with various acrylates
- Varied molecular weights



Efficient**

- Energy saving during application and storage
- No moisture sensitivity
- Fast curing speed
- Diverse functionality

*According to REACH Annex XVII, entry 74, that mandates training for workers handling diisocyanates to reduce the risk of respiratory and dermal sensitization
**In comparison with PU system

Acetoacetate reactive group is positioned at the end of the molecule for easy crosslink as found in polyurethane.

This positioning gives us the freedom to formulate the backbone R, ensuring superior performance and curing at room temperature in various applications.

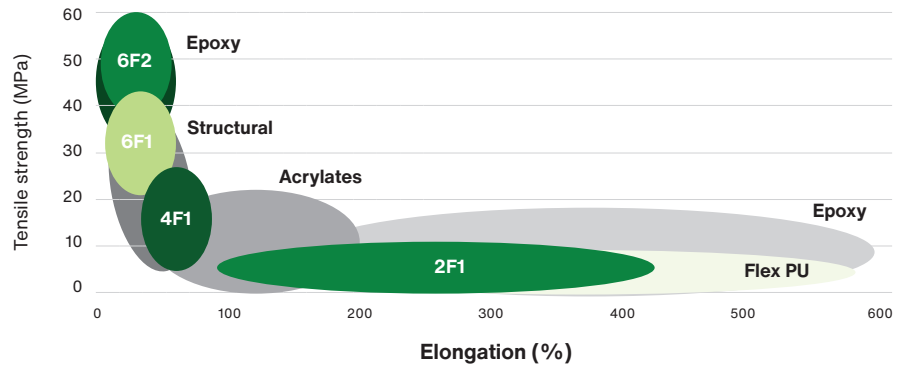


Product range

Product	DEV code	Functionality	Mol. Weight	Active hydrogens	Dynamic viscosity @ 25°C (mPa.s)	Tg (°C)
PriNext™ 2F1	DEV2226	2	1250	4	8900	-39
PriNext™ 4F1	DEV2331	4	1425	8	7400	-56
PriNext™ 6F1	DEV2327	6	1550	12	38000	-42
PriNext™ 6F2	DEV2330	6	1200	12	16500	-40

Our new product range has just been released. We can provide samples with DEV codes for your evaluations

The comprehensive PriNext range addresses the unique challenges and requirements of different applications.



Delivering performance, comparable to PU

Polyurethane

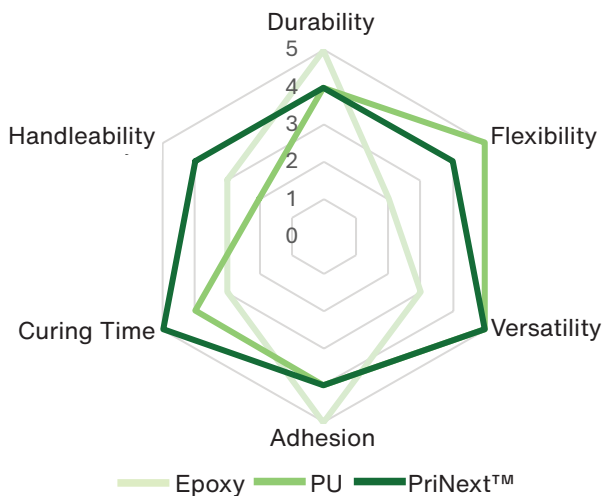
Polyol compatible with various isocyanates to ensure proper curing and performance.

PriNext™

PriNext compatible with various diamines and diacrylates to ensure proper curing and performance.



PriNext™, polyurethane and epoxy systems



For further information or guidance please visit us at cargill.com/coatings



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