

A
solvent-based

B
waterborne
Bayhydur® quix

INVISIBLE DIFFERENCE. WHY NOT?

New hydrophilic hardener allows
2K waterborne polyurethane to dry as fast as
aromatic solvent-borne wood coatings

Bayhydur® quix



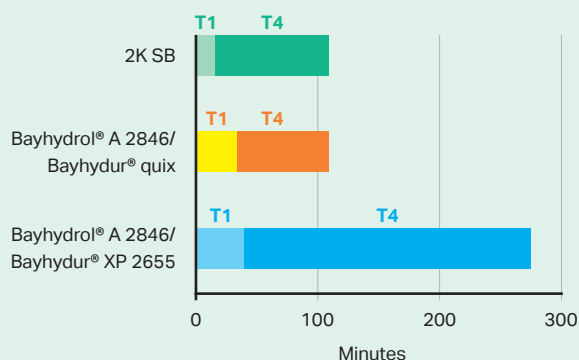
Bayhydur® quix 306-70

New hydrophilic hardener allows 2K waterborne polyurethane to dry as fast as aromatic solvent-borne wood coatings

Approx. product technical data

NCO on supply form	13.5%
Viscosity at 23°C	250 mPa · s
Solid content	70% in MPA

Drying time at room temperature according to DIN 53150 120 g/m² on glass



Two-component (2K) solvent-borne (SB) polyurethane (PU) is the dominant technology for wood coatings since PU combines the following qualities:

- High mechanical and chemical resistance
- Unique balance between flexibility and hardness
- Very fast drying allowing for high productivity

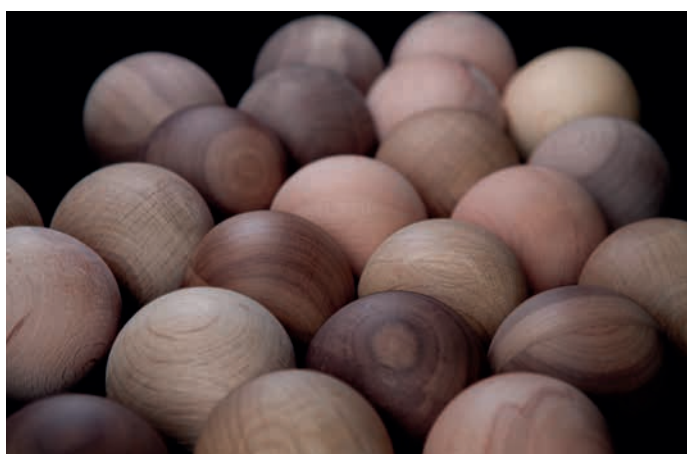
As sustainability becomes more important, it is driving an increasing need for alternatives to reduce VOC in coatings. Waterborne (WB) solutions are already available in the market, but you have had to choose between systems with fast drying but low performance (1K systems) or high-performing systems with slower drying (2K WB PU).

With the novel hybrid hydrophilic hardener Bayhydur® quix 306-70, you no longer need to sacrifice fast drying or performance, since this crosslinker allows 2K WB PU to cure as fast as aromatic 2K SB PU, while reaching the same level of chemical and mechanical resistance. This new development shortens the drying gap between 2K SB and 2K WB and is thus facilitating the technology shift in wood coatings.

Key benefits:

- Up to 60% shorter drying time than standard 2K WB PU systems
- Coating industry's pot-life requirements met
- High chemical resistance in clear and pigmented systems
- Very low VOC possible (< 100g/L)

Waterborne coatings based on Bayhydur® quix 306-70 fulfill standard curing times in the application of wood coatings – without sacrificing quality. As a result, fast high-performance waterborne coatings are now possible with Bayhydur® quix! You won't feel the difference. But the environment does.



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