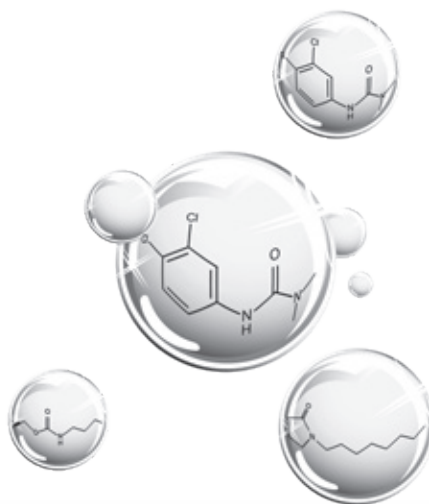


QUALITY RELEASES.



QUALITY WORKS.

LANXESS
Energizing Chemistry

PREVENTOL® NEXT SERIES

A NEW TECHNOLOGY FOR DRY-FILM PRESERVATION

As the efficacy of biocides decreases over time due to natural decomposition at site or washing out by rain, LANXESS has developed an innovative slow release technology, Preventol® next.

This technology reduces the release of the active compound from the coating to keep the active where it is needed – “in the paint film”.

Thus, the product needs a lower amount of active ingredient compared to the standard grade formulation. This technology results in many advantages like environmental aspects and enhanced efficacy.

Preventol® next A 6-D

- Aqueous, VOC-free dispersion of slow release Diuron
- $\leq 60^{\circ}\text{C}$, $\leq \text{pH } 10$
- Highly effective against algae found on surfaces of coatings
- Shows a decreased acute toxicity against algae in comparison to standard Diuron
- No hazard symbol labeling within recommended dosage range
- Leaching reduction by up to 65% compared to standard Diuron

Preventol® next MP 900

- Aqueous, VOC-free dispersion of slow release IPBC
- Stable $\leq 40^{\circ}\text{C}$, $\leq \text{pH } 9$
- Excellent efficacy against mold and staining fungi
- Leaching improved up to 50% compared to standard IPBC
- Possible yellowing can be avoided by slow release IPBC due to less active ingredient content
- No hazard symbol labelling within recommended dosage range

Preventol® next A 29-D

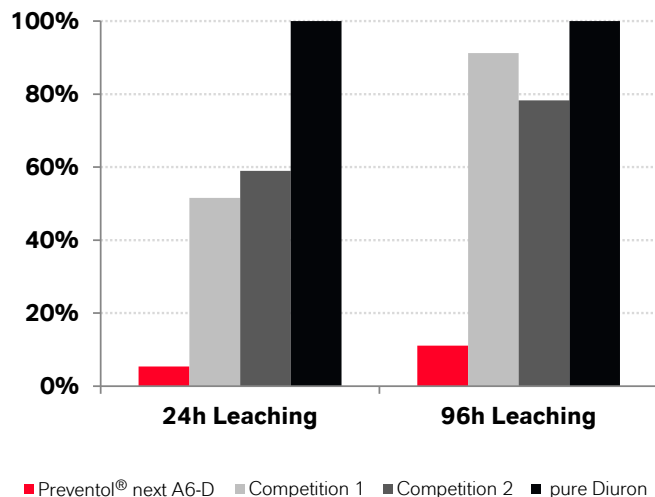
- Aqueous dispersion of slow release Diuron, OIT and ZPT
- Stable $\leq 60^{\circ}\text{C}$, $\leq \text{pH } 10$
- Highly effective against mold and algae found on surfaces of coatings
- Slow release technology improves Diuron leaching resistance up to 65%
- ZPT offers long-term protection due to low water solubility
- ZnO stabilization avoids risk of discoloration without patent infringement
- No hazard symbol labeling within recommended dosage range

X Preventol® next

Sustainable products with slow release Technology

The slow release technology offers several benefits:

- Better chemical stability
- Better ecotoxicity
- Avoidance of discoloration
- Improved biological efficacy

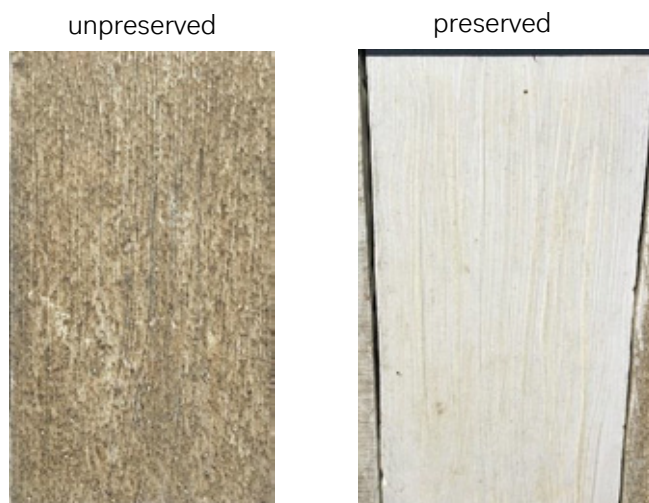


■ **Figure 1:** Retention rate of free Diuron vs. Diuron retention

OUTDOOR PERFORMANCE OF PREVENTOL® NEXT A6-D

LANXESS is conducting multiple outdoor exposure tests for its products worldwide.

In order to demonstrate the good performance of the LXS products, several testing sites are used all over the world. After years of exposure panels preserved with our Slow Release Technology show the best results.



■ **Figure 2 & 3:** Exposure in India after two monsoons with and without Preventol® next A6-D

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