

TECHNICAL DETAILS OF THE VERSION “QUADROWINGS ULTRASAFE®”

PATENTED DESIGN IMPROVEMENTS:

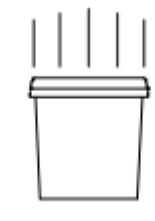
1. New closing rib design
2. Based on our QuadroWings double lock system, we introduced a major innovation: tapered flexible ribs on the bucket, which bend during closure and engage securely with the lid's second locking channel.
3. **This new design significantly increases lid retention capacity. For example, in vertical drop tests, the new 20 L bucket withstood drops from a height of 3 meters.**
4. Considerable investment was required to develop this innovation, including more complex machining of the mould cheeks.
5. To achieve the flexible locking ribs, we adopted a sandwich-technology design for the cheeks.
6. This advanced production method ensures unmatched performance in the closing features of this new bucket-and-lid system.
7. Double lock system
8. Tear-off band
9. “Quadro-Wings®” for easy opening
10. Improved sealing geometry, ensuring no leakage even after removal of the tear-off band
11. Total leak-proof performance
12. Flat inner surface, suitable for master batch shaking
13. Improved stacking of filled buckets
14. Optimized lid stacking

TESTS ON QUADROWINGS ULTRASAFE®

19/20 LT BUCKET 650 GR PP COPO MFI 12
19/20 LT LID 170 GR PP COPO MFI 12

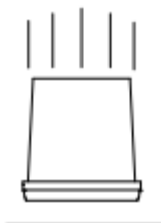
FREE FALL: IMPACT OF ASSEMBLED PAIL / CLOSURE ON THE SURFACE PLANE:

Free fall at 1.50-3.00 meter height. Position of the pail vertical.



Results:
No rupture exhibited on the closure.
No breakage evident.
No Leakage

Free fall at 1.50 meter height. Position of the pail inverted (on the closure).



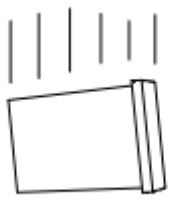
Results:
No rupture exhibited on the closure.
No breakage evident.
No Leakage.

Free fall at 1.50 meter height. Position of the pail at 45°.



Results:
No rupture exhibited on the closure.
No breakage evident.
No Leakage.

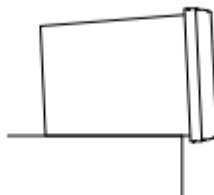
Free fall at 1.50 meter height. Position of the pail Horizontal.



Results:
No rupture exhibited on the closure.
No breakage evident.
No Leakage.

HERMETIC LEAK TEST:

Pail positioned horizontal for 24 hours.



Results:
No escape of water.
No Leakage.