



SLIP-RITE Technical Data Sheet

SLIP-RITE SF-100 and SF-200 is a proprietary concrete additive, specifically engineered for low- slump/high-strength compactable/slip form concrete mixes and Cement Treated Bases, and Roller Compacted Concrete. A blended liquid additive that is odorless, tasteless and bio-degradable.

SLIP-RITE can be used to reduce the total cement content and used in combination with supplementary cementitious materials (SCMs). It does not contain added chlorides or chemicals known to promote the corrosion of steel. It is comprised of a unique blend of concentrated uniquely processed chemistry which in some circumstances may be capable of:

1. Decreasing the quantity of mixing water (water/cement ratio)
2. Enhancing workability of harsh concrete mixtures
3. Increasing material transport time thereby increasing logistical plant service area
4. Decreasing compacted effort to achieve density
5. Increasing cohesiveness of wear surface
6. Reducing in tear and sag during slip form process
7. Predictably managing initial and final set times of concrete mixes

The combination of these attributes provides the user with a more workable mix, easier to place, slip, and finish-low slump concrete mixes and allow for a finished and tooled surface that is unsurpassed by conventional mixes. The Dosage rate will affect slump, compressive strength, workability, and w/c ratio.



Example of typical mix characteristics

BATCH QUANTITY SSD

Lab ID	Control	SF-100
Cement, kg/m ³	335	335
Sand, kg/m ³	838	838
20mm Stone, kg/m ³	1143	1143
Water, kg/m ³	184	184
SLIP-RITE, l/m ³	NA	1.26

CONCRETE TEST DATA

Lab ID	Control	SF-100
Air Content, %	2	3
Slump, inches / millimeters	1.25" / 30mm	1.75" / 45mm
Water/Cement Ratio	0.55	0.55
Unit Weight, kN/m ³	23.8	23.9

COMPRESSIVE STRENGTH RESULTS

LAB ID	CONTROL Mpa	SF-100 Mpa
1-DAY	14.89	19.37
3-DAY	28.13	31.64
7-DAY	31.57	37.09
14-DAY	37.64	40.74
21-DAY	40.47	45.71
28-DAY	47.02	49.23



SLIP-RITE SF-100 and SF-200 Benefits:

- Can be used in conjunction with other concrete chemical admixtures, i.e., air entraining, set retarders, set accelerators shrinkage reducers, corrosion inhibitors, and microsilica; however, each material should be added to the concrete separately.
- Increased cement paste workability and consolidation. The use of **SLIP-RITE SF-100 or SF-200** allows the user to achieve total mix workability, and increased density.
- Mixes with **SLIP-RITE SF-100 or SF-200** may be less affected by heat and wind conditions than traditional low slump mixes.
- Lower water demand to achieve similar density and strengths.
- Maintains mix design properties from the mixing source. Retains the component characteristics of air entrainment, slump, and other admixtures to enable them to perform as designed and specified.

Dosage Rates:

Typical dosage rates for **SLIP-RITE SF-100 or SF-200**: **8ml – 12ml per kilogram of Cement.**

Due to unique properties of this admixture dosage rates should be optimised to suit the sand, aggregate and water in the mix.

For **CONCENTRATED** SF-100C or SF-200C use 5 – 9ml per kilogram of Cement

Direction For Use:

SLIP-RITE SF-100 and SF-200 can be added to the initial batch water or directly on the freshly batched concrete and mixed for approximately 5 minutes or 70 revolutions. Ideally it should not come into contact with dry cement or other admixtures until mixed thoroughly with the concrete batch.

Storage/ Precautions:

- Care should be taken to maintain **SLIP-RITE SF-100 and SF-200** above freezing; however, freezing and subsequent thawing will not harm the material if thoroughly agitated.
- Do not agitate with air.
- Add to concrete mix independent of other admixtures.
- All measures should be taken to ensure that packaging is not damaged prior to immediate use of the material and that it does not become contaminated with other materials. Should separation occur over extended period of time, recirculating material is suggested.
- In all cases, consult the Material Safety Data Sheet before use.

For additional information contact sales@rhinostrong.co

ACEiT SF-100 and SF-200 is a product developed and manufactured by ACEiT USA, marketed and sold in Australia as a Rhino Brand, product name SLIP-RITE SF-100. Sold and Distributed by Aran Plant Pty Ltd.