

LAIRDFLOW 40

SELF COMPACTING CONCRETE



ADVANTAGES OF LAIRDFLOW

- **REDUCED LABOUR COSTS** – Because LairdfLOW is so easily placed and finished; you can reduce the labour costs significantly
- **NO VIBRATION EQUIPMENT REQUIRED** – All that is required is a dapple bar and curing agent – minimising equipment required on site.
- **QUICK AND EASY TO LAY** – LairdfLOW features enhanced workability without compromising on strength
- **HEALTH & SAFETY** – LairdfLOW does not require vibration for placing or compaction; It flows under its own weight, filling form work and achieving compaction eradicating the need to expose workers to vibration or excessive site noise.
- **MINIMAL FINISHING** – LairdfLOW is cured and sets with a smooth finish; with little finishing required.

PLANT	GOWANBANK/KINLOCH
CONCRETE GRADE	PROPRIETARY
MIX TYPE	LAIRDFLOW40
CEMENT TYPE	CIIIA
MAX AGGREGATE SIZE	6/10
TARGET FLOW	680-730
MINIMUM CEMENT CONTENT	340
MAX WATER/CEMENT RATIO	0.55
EXPOSURE CLASS	
GUARANTEED STRENGTH	40N/MM



WE FULLY UNDERSTAND THIS IS A VERY DIFFERENT PRODUCT TO THE STANDARD HISTORIC MIXES WE ARE ALL FAMILIAR WITH. TO COMBAT THIS WE PROVIDE A FIRST POUR SERVICE. THIS IS DUE TO THE DELIVERY, LAYING AND CURING OF SELF COMPACTING CONCRETE BEING IMPERATIVE. NOT ONLY WILL WE ATTEND THE FIRST POUR BUT WE WILL ALSO PROVIDE THE WAX BASED CURING AGENT IN WHICH WE RECOMMEND AND STOCK. WE WILL THEN, IF NECESSARY – DO A DEMONSTRATION OF HOW LAIRDFLOW SHOULD BE DAPPLED AND CURED AND PROVIDE THE EQUIPMENT TO DO SO. FAILURE TO COMMIT TO THE RECOMMENDATIONS FOR LAYING AND CURING WILL RESULT IN NO LIABILITY ON THE PART OF THE SUPPLIER; SEE T&C's FOR FURTHER INFO.

- LAIRDFLOW 40 IS A PROPRIETARY MIX WITH A MINIMUM COMPRESSIVE STRENGTH OF 40N/MM
- LAIRDFLOW IS FULLY COMPLIANT WITH NHBC SPECIFICATION ON STRENGTH AND DURABILITY
- LAIRDFLOW SHOULD ONLY BE POURED WHEN AMBIENT TEMPERATURE IS BETWEEN 5 AND 25 DEGREES CELSIUS WITH THE SUBSTRATE, FORMWORK AND REINFORCEMENT FREE FROM FROST.
- A SUITABLE POLYTHENE MEMBRANE MUST BE USED ON TOP OF THE SUBSTRATE.
- FOLLOWING PLACEMENT; LAIRDFLOW SHOULD BE DAPPLED IMMEDIATELY, FIRSTLY A DEEP DAPPLE $\frac{3}{4}$ DEPTH; FOLLOWED BY A SECOND LIGHT DAPPLE ACROSS THE SURFACE, PERPENDICULAR TO THE FIRST; REMOVING ANY LUMPS IF OBSERVED.
- DUE TO THE NATURE OF SELF COMPACTING CONCRETE IT IS SUSCEPTIBLE TO PLASTIC SHRINKAGE CRACKING AND AS SUCH PROPER CURING IS ESSENTIAL. IMMEDIATELY AFTER DAPPLING A CURING AGENT MUST BE APPLIED, TWO COATS ARE ADVISED WHERE POSSIBLE AT A RATE OF 1L PER 5M².
- WHERE WINDY CONDITIONS ARE EXPECTED IT IS ADVISABLE TO COVER AND PROTECT THE SLAB FOR 48 HOURS. WIND TUNNELS ARE ALSO TO BE AVOIDED WITH WINDBREAKS ERECTED WHERE POSSIBLE.

SIKA WAX BASED CURING AGENT CAN BE PURCHASED FROM US FOR £1.95/L* (this is the current rate in February 2021 and is subject to change)