

General specification for

Exposed Aggregate Concrete Paving

(Revision 1)

MAY 1, 2026

Supply and deliver all material, labour, skill and equipment required for the construction of in situ cast exposed aggregate concrete paving (supply, delivery and installation):

1. Concrete material: Artevia/ Lafarge exposed, 9-13mm, Sandstone colour, 25mPa concrete
2. Retarder material: Deco LAV P05 as supplied by Chryso. (See website link.)
3. Concrete to be casted 100mm thick on the pedestrian and 150mm on driveway paving.
4. Concrete to be re-enforced by means of steel Mesh ref 311 laid centrally , into concrete.
5. 5 x 40mm deep saw cut joints to be provided at maximum 2.5m intervals and polysulphate expansion joints to be provided
6. Inclusive of 4mm round nose edges.
7. Finish: Homeogeneously exposed aggregate by means of applying retarder as per manufacturers specifications. Retarder to be applied at constant time intervals after casting of concrete.
8. Base preparation and compaction provided below Item 11-12. Base to be optimum moist at time of concrete casting;
9. Sample panel to be prepared with and approved by architect/ landscape architect prior to casting;
10. Inclusive of all shuttering, mesh, sealant, neatly formed 5mm saw cut joints & all relevant work
11. G5 150mm compacted to 95% mod AASHTO is perfect as a general layerworks
12. Base specification to be verified by engineer in sandy conditions, rip and recompact minimum 200mm below the G5 with 93% Mod AASHTO
13. Note compaction tests to be allowed or as per MJ 12000
14. For the SAW CUTS (minimum 2m apart), use Spectrem 800 as per attached
15. For the EXPANSION JOINTS (minimum 8m apart), use TAMMSFLEX 75 as per attached

References and manufacturers specifications:

- [Lafarge Artevia - Slip-resitant Exposed Aggregate Concrete](#)
- <https://ctfloors.co.za/our-products/lafarge-artevia-decorative-concrete-floors/lafarge-artevia-exposed-aggregate-concrete/>
- https://www.massiveconcrete.co.za/wp-content/uploads/2025/09/TDS-Deco-Lav-Po5_250821_162122.pdf
- [TDS-Deco-Lav-Po5_250821_162122.pdf](#)

SABS STANDARDS – PLEASE NOTE

The SANS 1058:2012 standard is the South African National Standard for concrete paving blocks, which includes specifications for abrasion resistance and visual quality. This standard ensures that paving blocks can withstand specified amounts of damage due to friction and maintain a high visual quality. SANS 1058:2012 codes, while it specifically does not mention SABS codes for in-situ aggregate paving, SABS standards will be referenced.

SEE REFERENCE IMAGES BELOW:



See general reference images of the La Motte pathways Paarl as for proposed pathways by NMPH.



See colour reference images of the La Motte “in-situ cast exposed aggregate and sandstone pigmented colour” pathways Paarl as for proposed pathways by NMPH.