

- Aggregates are an essential components of many resin floor toppings.
- Inert Silica aggregates when blended into designed resin systems provide,
 - hardness,
 - durability,
 - heat resistance
 - designed non-slip surface profiles.
- As a rule when blended and installed correctly the thicker the system the more durable the topping

allnex specify three sizes of aggregate fine, medium and coarse to their topping systems to aid good compaction, trowel-ability and maximise performance, these aggregates are defined from suppliers below

Note 1

- allnex do not take responsibility for the quality of third party supplied aggregates.
- We make our best recommendation based on knowledge at the time, if in doubt contact the supplier.
- Using allnex supplied STZ sands will ensure reliability.

Note 2

- The below allnex comparisons are made based on experience and laboratory work but care and attention should be followed as there are variations in both the cut of mesh sizes and the appearance (colour and dust content) between suppliers.
- allnex's recommendations should be used expecting some variations of the required blend ratio to achieve applicability.
- It is the contractors responsibility to do trial blends to ensure colour and "use-ability" and to do samples for the clients to approve.

Note 3

- Mesh sizes: aggregates are often known by the mesh size through which they will pass, often expressed as a range.
- Small mesh numbers are bigger mesh "squares". So 7/14 is larger than 18/36.

Silica Aggregate for Industrial Flooring			
Manufacturer	Fine sizes	Medium	Coarse
HSC Minerals Victoria – Silica	Superfine Silica	18/40 or 16/30	8/16
Boral Australia	900 coarser than NZJ61 grade	1mm	2mm
Cook Industrial minerals- Graded Silica	Fine white silica sands; 0.3mm and finer	Graded silica; -1 + 0.5	Graded Silica; -3.2 + 1.6
allnex NZ	J61W silica 0.15 – 0.3mm	Walton Park round silica 18/36	Walton Park round silica 7/14
allnex NZ	allnex can produce premixed, STZ Flooring sand, a blend of grades, ready for use in Sureshield, Supascreed floor toppings STZ Coving sand a blend of grades, ready for use in Sureshield, Supascreed cove design		

Aggregates to Produce a Non-Slip Surface				
Manufacturer	Dry, Bulk Density (approx.)	Particle Grading (microns) (approx.)	Packaging (kg)	Description
allnex NZ				
Microcells	0.7 kg/l	180 - 300	100grms	Fine Low density aggregate that may be added to the coating mixture for a light non – slip surface finish
Revtred	1.55 kg/l	Ceramic Spheres 425 - 600 – Type B	500grms	Circular Ceramic Beads that are broadcast onto the surface of clear coating to produce a light non-slip surface finish.
J61	1.70 kg/l	150 - 300	25kg	Fine Silica for use as a broadcast onto the surface of the coating to produce a light non-slip surface finish.
Grit Silver Grey	1.65 kg/l	0.4 -1.7	25kg	Angular Garnet broadcast over a variety of floor finishes producing a textured surface profile.
18/36	1.65 kg/l	300 - 1180	25kg	Med Round Silica broadcast over a variety of floor finishes producing a textured surface profile.
7/14	1.65 kg/l	1180 - 2800	25kg	Coarse Round silica broadcast over a variety of floor finishes producing a textured surface profile.
Aluminium Oxide	3.5-4.0 kg/l	16 grit	25kg	Brown sharp aggregate for extreme surface profile and slip resistance.
allnex Quartzite Colourfine	1.60 kg/l	600-900	20kg	Coloured Quartz Aggregate used as a broadcast for allnex Traxite and to produce decorative floor toppings, i.e. Decorative Terrazzite
Industrial Minerals Sand Q series. Available in both NZ and Australia		Q1	Q2	Garnet; A-grade 12/25 (coarse) *AB or TN Q900-Pro white sand. (coarser than NZ J61 grade)

Marble Aggregates for use in Architectural Terrazzite		
Manufacturer	Fine sizes	Coarse
Omya	CPG - 0.4 – 0.8mm	3-6mm marble aggregate; normally white with small amounts of black, dolomite
Whiterock AUS	7035 - 0.35 -0.7mm	As Above,
Barossa	-1+0.5mm	As Above, + Black Granite 3-6mm, Sunset Gold (dolomite) & others
Ravensdown NZ		3-6mm marble aggregate; normally white, grey, black.

For further advice or information do not hesitate to contact the allnex technical team.

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