

Hanson Construction Aggregates

Health and Safety:

As with all naturally occurring gravels and silica sands, small amounts of respirable quartz may be present.

The aggregates such as 14 – dust are unlikely to contain respirable silica but we recommend that the same precautions are taken.

If inhaled in excessive quantities over extended periods respirable quartz can constitute a long term health hazard.

Do not breathe dust.

Avoid eye contact.

In case of contact with eyes, rinse immediately with plenty of water, avoiding rubbing action. Should irritation persist, obtain medical advice.

For cementitious mixes, follow health and safety advice detailed for cement. For further advice please call the Hanson Cement Customer Services on 0845 600 1616

20mm GRAVEL

Pack Size: Maxipack
 Bulk

MIX design advice

The suggested mix design given below is a standard 1:2:4 mix and is suitable for most domestic applications.

For further advice please consult BS 8500 Concrete Part 1 Methods of specifying and guidance for the specifier table A 7 and BS 8500 concrete Part 2 Specification for materials for concrete Table 12 which gives detailed advice.

Production preparation and control of concrete.

All the constituents should be thoroughly mixed prior to the addition of water. Sufficient water should then be added to give a suitable consistence for placing and compaction. On completion of compaction and finishing the concrete surface should be covered to prevent loss of moisture (curing) and prevent surface damage. For best results and highest strength development the concrete should be protected for 7 days.

Description:

20mm single sized gravel aggregate conforming to the requirements of BS EN12620: 2013.

Typical moisture content 3%.

Particle size 10 – 20mm

Shell content ≤ 10

Chloride content ≤ 0,01%

Acid soluble sulphate ≤ 0.8

Uses:

In combination with cement, sharp sand and water in suitable mix designs to produce concretes, for footings, foundations, setting posts, steps, etc. May also be used as a top dressing for paths and drive ways.

Suggested Mix Designs:

For coarse concrete mixes:

1 part Cement :

2 parts Sharp sand :

4 parts 20mm Gravel

Coverage:-

Product Data Sheet



One Maxipack bag:-
As a coarse concrete mix sufficient for
0.35m² @ 50mm depth
As a top dressing:
approx. 0.4m² @ 50mm

One Bulk bag:-
In the above concrete mix:- 4.5m² @ 100mm Depth
As a top dressing:- 12m² @ 50mm Depth

Cleaning:

Clean down tools and equipment with water prior to material setting.

10mm GRAVEL

Pack Size: Maxipack
 Bulk

Description:

10mm single sized gravel aggregate conforming to the requirements of BS EN12620: 2013.
Typical moisture content 3%.
Particle size 4 – 10mm
Shell content ≤ 10
Chloride content ≤ 0.01%
Acid soluble sulphate ≤ 0.8

Uses:

With cement, sharp sand and water to produce fine concretes, suitable for paths, patios, setting posts, steps, etc.
May also be used as a top dressing for paths and drive ways.

Suggested Mix Designs:

For fine concrete mixes:
1 part Ordinary Portland Cement :
2 parts Sharp sand :
4 parts 10mm Gravel

Coverage:-

One Maxipack bag:-
As a fine concrete mix sufficient for
0.35m² @ 50mm depth
As a top dressing:
approx. 0.4m² @ 50mm Depth

One Bulk bag:-
As a fine concrete mix:-
9m² @ 50mm Depth
As a top dressing:-
12m² @ 50mm Depth

Cleaning:

Clean down tools and equipment with water prior to material setting.

20mm BALLAST

Pack Size: Maxipack
 Bulk

Description:

10mm single sized gravel aggregate conforming to the requirements of BS EN12620: 2013.
Typical moisture content 3%.
Particle size 0 – 20mm
Shell content ≤ 10
Chloride content ≤ 0,01%
Acid soluble sulphate ≤ 0.8

Uses:

As an 'all-in-one' aggregate with cement, and water to produce coarse concretes, suitable for footings, foundations, setting posts, steps, etc.

Suggested Mix Designs:

For coarse concrete mixes:

1 part Ordinary Portland Cement :
6 parts 20mm Ballast

Coverage:-

One Maxipack bag:-
As a coarse concrete mix sufficient for
0.35m² @ 50mm depth
One Bulk bag:-
12.6m² @ 50mm Depth

Cleaning:

Clean down tools and equipment with water prior to material setting.

14mm to Dust LIMESTONE CHIPPINGS

Pack Size:

Maxipack
Bulk

Description:

A 14mm to dust dolomitic limestone chipping conforming to the requirements of BS EN12620: 2013.

Uses:

Blinding layer, bulk and general fill.

Coverage:-

Maxipack:
0.014m³ if compacted as blinding layer
0.017m³ if used as general fill
Bulk:
0.5m³ if compacted
0.6m³ if general fill

Cleaning:

Clean down tools and equipment with water prior to material setting.

GRANO DUST

Product Data Sheet



Pack Size: Maxipack
Bulk

Description:

6mm to dust granitic material conforming to the requirements of BS EN12620: 2013.

Uses:

When mixed with sand and cement produces a mortar ideally suited for floor screeds, monolithic and granolithic.

Suggested mix designs:

Heavy duty 12mm depth

Cement 50kg
Dried sharp sand 88kg
Grano dust 88kg

Heavy duty 20-34mm depth

Cement 50kg
3mm sand 150kg
Grano dust 50kg

Note:- the above are only suggested mix designs, the user should carry out trials and adapt designs to their own needs

Cleaning:

Clean down tools and equipment with water prior to the material setting.

Limitations:

Do not use when air temperature below 2°C or when ground frozen.

Wet mortar should be protected from drying out too rapidly. Cover placed material with plastic sheet or wet hessian.

Allow concrete to dry sufficiently, time dependent on ambient conditions, prior to proceeding with further works.

MOT Type 1 Aggregate for road construction

Pack Size:

Bulk

Description

Crushed aggregate conforming to the requirements of EN 13242:2013 Aggregates for unbound and hydraulically bound materials for use in civil engineering and road construction.

Use

Suitable forming sub base or base layers to support other construction such as concrete drives or other paving materials. Will only perform if applied to suitable prepared sub grade and if compacted to form a dense layer. May also be combined with cement to produce a higher bearing capacity.

PEA GRAVEL

Product Data Sheet



Pack Size: Maxipack
Bulk

Description:

10mm single sized gravel aggregate conforming to the requirements of BS EN12620: 2013.
Typical moisture content 3%.
Particle size 0 – 20mm
Shell content ≤ 10
Chloride content $\leq 0,01\%$
Acid soluble sulphate ≤ 0.8

Uses:

With cement, sharp sand and water to produce fine concretes, suitable for paths, patios, setting posts, steps, etc.
May also be used as a top dressing for paths and drive ways.

Suggested Mix Designs:

For fine concrete mixes:

1 part Ordinary Portland Cement :
2 parts Sharp sand :
4 parts Pea Gravel

Coverage:-

One Maxipack bag = 0.0175m^3
As a fine concrete mix sufficient for
 0.35m^2 @ 50mm depth
As a top dressing:
approx. 0.4m^2 @ 50mm depth

One Bulk bag = 0.63m^3
As a fine concrete mix sufficient for
 12.6m^2 @ 50mm depth
As a top dressing:
Approx 14.4m^2 @ 50mm depth

Cleaning:

Clean down tools and equipment with water prior to material setting.

