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# ARDEX Sand Guide for Screeds

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## Purpose

For mixing with ARDEX screeds, including ARDEX A 38 Rapid Set Screed and ARDEX EB 2 Fast Setting Screed, ARDEX recommends using a specific sand/aggregate mix. The purpose of this document is to clarify this recommendation.

## Recommended Sand Aggregate Properties

- Sub-angular
- Cleaned
- Washed
- No powdery ingredients

## Recommended Sand Gradation for ARDEX Screeds

Sand Size in mm	Percent of Mix
0.063 - 0.25	20%
0.1 - 0.5	20%
0.5 - 1.2	15%
1 - 2	15%
2 - 3	15%
3 - 6	15%

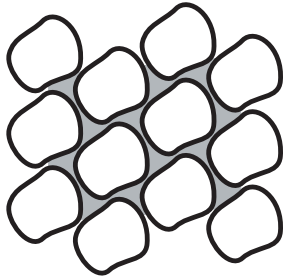


Recommended sand aggregate for ARDEX screeds.

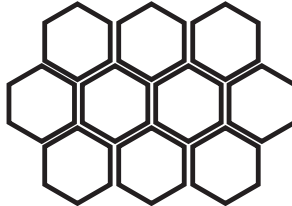
# ARDEX Guide for Screeds

## Sand Shapes (Sub Angular Recommended)

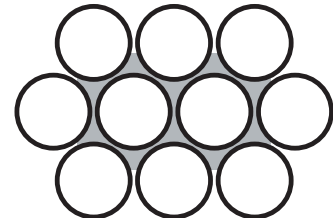
Sub Angular



Angular



Round



## What to Avoid

**Fines/powdery or dusty substances** - The selected sand/aggregate mix should not contain clay, silt, coal, lime, organic impurities or other detrimental substances. Observe the limits detailed in ASTM C331/C33M-13 standard specification for concrete aggregates. Note that these materials will turn to dust when dry and will weaken the mix of the screed. Also, if the ratio of fines is too high, more water will be added in order to reach sufficient application properties. Excess water leads to higher shrinkage, lower strength and slower dry times.

**Round particles** - Round particles roll against one another and decrease stability.



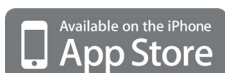
An example of fine, powdery sand, or silt, which is not recommended for screed mixing.

For further questions on sand for ARDEX Screeds or screed installations for tile and stone, please contact the ARDEX Technical Department at 888-512-7339.

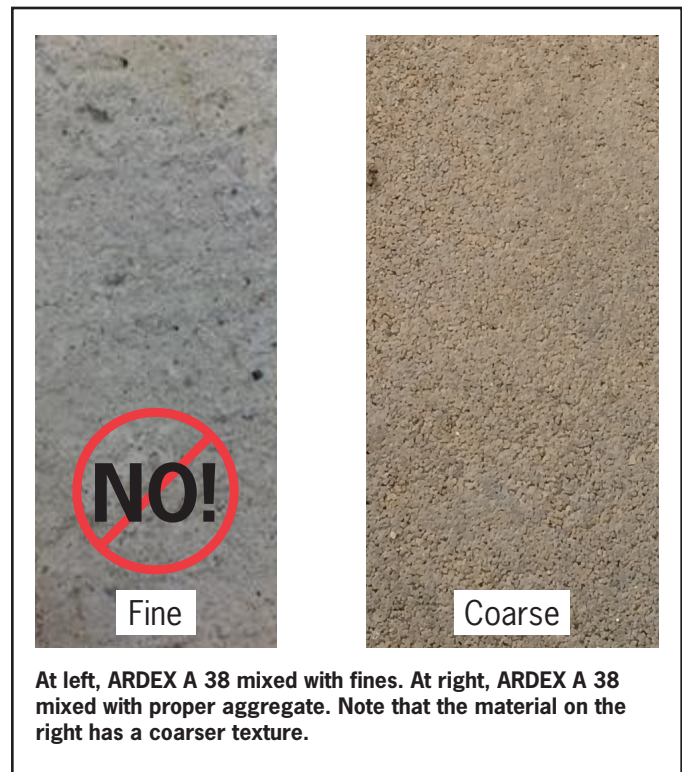
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