

## **JIS overview of recycled aggregate for concrete**

|                                     |        | Recycled aggregate<br>for concrete-Class H  | Recycled aggregate<br>concrete-Class M  | Recycled aggregate<br>concrete-Class L   |
|-------------------------------------|--------|---|---|--|
| Water<br>absorption of<br>aggregate | Coarse | 3% or less  | 5% or less  | 7% or less   |
|                                     | Fine   | 3.6% or less  | 7% or less  | 13% or less  |
| Main applications                   |        | There is no particular<br>limitation, general<br>purpose concrete   | Concrete for piles,<br>foundation beams,<br>steel pip filling   | Concrete not requiring<br>high strength and<br>durability such as<br>leveling concrete   |
| JIS Standard                        |        | <b>JIS A 5021:2018</b><br>Recycled aggregate<br>for concrete-Class H  | <b>JIS A 5022:2018</b><br>Recycled aggregate<br>concrete-Class M  | <b>JIS A 5023:2018</b><br>Recycled aggregate<br>concrete-Class L   |
| Established date<br>of standard     |        | <b>March 20,2005</b>  | <b>March 20,2007</b>  | <b>March 20,2006</b>   |
| Purpose of JIS<br>standard          |        | Standard for recycled<br>aggregate used for<br>concrete for general<br>use which improved<br>quality as aggregate<br>by advanced treatment<br>such as crushing and<br>abrasion of concrete<br>waste | Standard for recycled<br>aggregate produced by<br>a comparatively<br>simple method such as<br>crushing and abrasion<br>of concrete waste for<br>concrete which is<br>hardly affected by<br>drying shrinkage and<br>freezing and thawing | Standard for recycled<br>aggregate of relatively<br>low strength concrete<br>using recycled<br>aggregate produced by<br>crushing concrete<br>waste |

