

## 16. Application of Concrete using Class-M Recycled Aggregate to Building Foundation

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Today, over 98% of concrete wastes are recycled, but they are almost used as basecourse materials. Although the demand for basecourse materials is limited, it is predicted that the amount of concrete wastes will be increased sharply. A promising method is recycling as concrete aggregates. This time, the authorization of the Minister of Land, Infrastructure and Transport for concrete using Class-M recycled aggregates was obtained, and this concrete was applied to cast-in-place concrete piles and foundation of building. This concrete has equivalent quality and workability to those of ordinary concrete, and it is feasible to building structures. The process and cost which produce Class-M recycled aggregates are less than Class-H, so future promotion will be expected.

**Key words** : recycle, Class-M recycled aggregate, concrete using recycled aggregate, cast-in-place concrete pile, foundation of building