

BUILDING DECONSTRUCTION

A BUILDING IS DECONSTRUCTED AND THE MINERAL AND NONMINERAL DEMOLITION MATERIALS ARE SEPARATED

GERÄUDE ALS ROHSTOFFQUELLE

SEPARATION OF DEMOLITION MATERIALS BY TYPE



INSULATION MATERIALS PLASTICA

DEMOLITION CONCRETE

METALS

WASTE WOOD

BRICKS

CRUSHING DEMOLITION CONCRETE

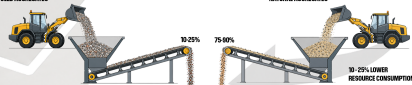
DEMOLITION CONCRETE IS CRUSHED INTO RECYCLED AGGREGATE



GRAVELMIX: PRODUCTION OF DEFINED AGGREGATE FRACTIONS WITH RECYCLED CONTENT

RECYCLED AGGREGATES

NATURAL AGGREGATES



MIX
SIMULTANEOUS FEEDING OF UNWASHED, UNSORTED NATURAL AND RECYCLED AGGREGATES IN THE GRAVEL OR STONE PLANT

WASHING AND SORTING

GRAVEL OR CRUSHED-STONE PLANT

THE MATERIAL MIX IS WASHED AND SEPARATED INTO DEFINED PARTICLE-SIZE FRACTIONS. ALL FRACTIONS CONTAIN THE PREDEFINED RECYCLED CONTENT



CIRCULAR CONSTRUCTION

SERVICE LIFE 50 - 100 YEARS

CONCRETE PLANT



RAC PRODUCTION

CONCRETE PLANTS ARE SUPPLIED WITH READY-TO-USE GRAVELMIX FRACTIONS. THE NUMBER OF AGGREGATE COMPONENTS REMAINS THE SAME AS IN CONVENTIONAL CONCRETE

CONSTRUCTION OF A NEW BUILDING

NEW CONCRETE IS PRODUCED AND USED TO BUILD NEW BUILDINGS WITH RAC.

