LIGHTER VEHICLES: START WITH SIKA

TECHNOLOGIES FOR AUTOMOTIVE ASSEMBLY



Use of lighter material becoming prevalent; but requires non-traditional joining methods



BODY-IN-WHITE REPRESENTS MULTIPLE OPPORTUNITIES FOR VEHICLE LIGHTWEIGHTING

150 KG POTENTIAL WEIGHT REDUCTION CAN BE ACHIEVED WITH SIKA® SOLUTIONS



B OB OF INTERIOR

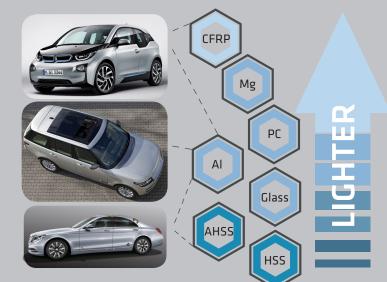
NOISE CAN BE REDUCED

USING SIKA® ACOUSTIC &

REINFORCEMENT SOLUTIONS

NVH treatment can be designed into vehicle at early development, not as an afterthought

SIKABAFFLE® SIKADAMP®



Specialty adhesives are designed for lightweight material and mixed-material bonding
SIKAFLEX°
SIKAFORCE°
SIKAPOWER°
SIKASEAL°

250K TONS OF STEEL CAN BE SAVED BY USING SIKAPOWER® ADHESIVE



TONS OF STEEL

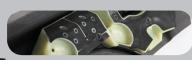
CAN BE SAVED BY USING

SIKAREINFORCER®







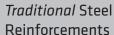


CAN BE ACHIEVED USING

SIKAREINFORCER®

Material alternatives are engineered to provide the same strength and stiffness as steel SIKAREINFORCER® SIKA® HIGH STRENGTH BONDING







Alternative Structural Inserts



Vehicle lightweighting cannot sacrifice comfort; noise control

treatment must be designed in

to ensure optimal performance





