



# CONCRETE MOBILE TECHNICAL UNIT

**THE SIKA MOBILE TECHNICAL UNIT** is a 52 ft. gooseneck trailer and truck engineered to provide on site technical assistance to customers and is the ultimate example of "SIKA AT WORK". For over 100 years Sika has supported the concrete industry with high quality products and service. The Sika Mobile Technical Unit brings high-tech concrete testing capabilities directly to a customer's site. The on site service provided by the Sika Mobile Technical unit decreases the amount of time needed to bring solutions to the market place. "SIKA AT WORK" is not just a slogan but a reality when the Sika Mobile Technical Unit arrives on site!

The Sika Mobile Technical Unit is equipped to perform tests on materials such as chemical admixtures, aggregates, cements, fillers, mineral admixtures and cement/admixture

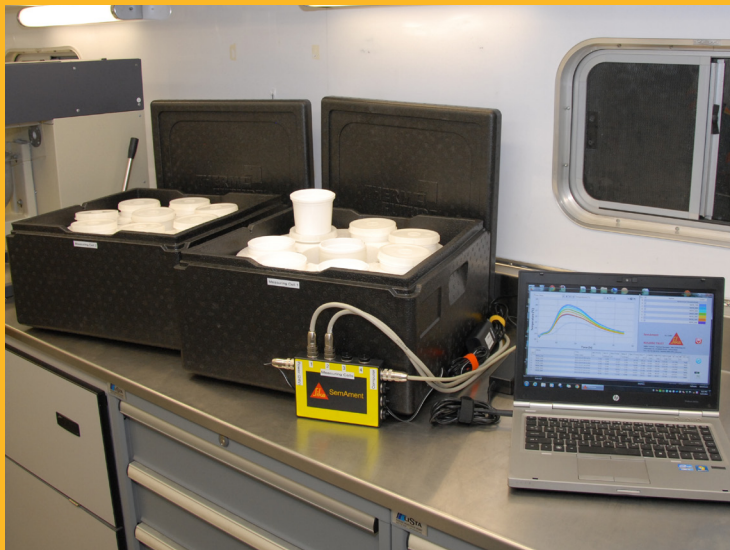
compatibility, as well as applications in concrete. It has a full array of high-tech testing equipment, including a Forney 300,000 lb. test compression machine and Sika's SemAment System for analysis of cementitious systems and admixtures.

The Mobile Technical Unit is essentially a concrete lab on wheels. This unique tool allows us to quickly troubleshoot materials and optimize mixes right on site without shipping materials long distances. Not only does this save time and money, but it allows the opportunity for customers to instantly view results and be a part of the process. This is also a great tool for large concrete projects where contractors, architects and engineers can closely monitor concrete results.

**BUILDING TRUST**



# MOBILE TECHNICAL UNIT AT WORK...



## ASTM MATERIAL TESTS

### AGGREGATES:

- C40/C40-11 *Standard Test Method for Organic Impurities in Fine Aggregates for Concrete*
- C117-13 *Standard Test Method for Materials Finer than 75- $\mu$ m (No. 200) Sieve*
- C127-12 *Standard Test Method for Density, Relative Density (Specific Gravity), and Absorption of Coarse Aggregate*
- C128-12 *Standard Test Method for Density, Relative Density (Specific Gravity), and Absorption of Fine Aggregate*
- C136-06 *Standard Test Method for Sieve Analysis of Fine and Coarse Aggregates*
- C702/C702M-11 *Standard Practice for Reducing Samples of Aggregate to Testing Size*

### CONCRETE:

- C31/C31M-12 *Standard Practice for Making and Curing Concrete Test Specimens in the Field*
- C39/C39M-12a *Standard Test Method for Compressive Strength of Cylindrical Concrete Specimens*
- C 138/C138M-13 *Standard Test Method for Density, Yield and Air Content of Concrete*
- C143/C143M -12 *Standard Test Method for Slump of Hydraulic Cement Concrete*
- C173/C173M-12 *Standard Test Method for Air Content of Freshly Mixed Concrete by the Volumetric Method*
- C231/C231M-10 *Standard Test Method for Air Content of Freshly Mixed Concrete by the Pressure Method*
- C232/232M-13a *Standard Test Methods for Bleeding of Concrete*
- C403/C403M-08 *Standard Test Method for Time of Setting of Concrete Mixtures by Penetration Resistance*
- C1064/C1064M-12 *Standard Test Method for Temperature of Freshly Mixed Hydraulic-Cement Concrete*
- C1170/C1170-08 *Standard Test Methods for Determining Consistency and Density of Roller-Compacted Concrete Using a Vibrating Table*
- C1176/C1176M-08 *Standard Practice for Making Roller-Compacted Concrete in Cylinder Molds Using a Vibrating Table*
- C1231/C1237 M-12 *Standard Practice for Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders*
- C1610/C1610M-10 *Standard Test Method for Static Segregation of Self-Consolidating Concrete Using Column Technique*
- C1611/C1611M-09b *Standard Test Method for Slump Flow of Self-Consolidating Concrete*
- C1621/C162M-09b *Standard Test Method for Passing Ability of Self-Consolidating Concrete by J-Ring*
- C1712-09 *Standard Test Method for Rapid Assessment of Static Segregation Resistance of Self-Consolidating Concrete using Penetrating Test*

**ASSHTO T318 02 (2011)** Water Content of Freshly Mixed Concrete Using Microwave Oven Drying of Static Segregation Resistance

### ADMIXTURES AND CEMENT:

- Sika's SemAment System – Concrete Analysis in Mortar
- Thermal Analysis
- Solids Measurements
- S.G. Admixtures, pH measurement

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