

COURSE OUTLINE

SECTION 1: Introduction

- A: The Course: Objectives, Prerequisites, and Benefits
- B: Registration and Course Procedures
- C: Concrete Segmental Paving: A Brief History
- D: Overview: Components of an Interlocking Concrete Pavement System/Comparison to Other Pavement Systems

SECTION 2: Job Planning and Documentation

What's in it for me?

Job Jacket Contents

SECTION 3: Estimating Quantities, Job Layout and Flow

- A: Job Layout for Excavation
- B: Excavation of Soil, Hauling and Disposal
- C: Estimating Base, Sand, and Paver Materials
- D: Estimating Cut Pavers and Edge Restraints
- E: Flow of Materials

SECTION 4: Soil Characteristics and Compaction

- A: Gradation Fundamentals, Sieve Analysis and Standards
- B: Soil Classification, Soil Properties and Quick Field Identification
- C: Soil Compaction and Moisture-Density Relationships
- D: Measuring Soil Compaction
- E: Soil Compaction Methods and Equipment
- F: Geotextiles: Purpose and Uses

SECTION 5: Base Materials

- A: Gradation
- B: Factors in Determining Base Thickness
- C: Base Compaction Testing and Guidelines
- D: Base Installation

SECTION 6: Edge restraints

A: Types and Applications

SECTION 7: Bedding and Joint Sands

A: Shape, Gradation, Moisture, and Hardness

B: Installation and Equipment

SECTION 8: Selection and Installation of Concrete Pavers

A: Selecting Pavers for Various Applications

B: Aspect Ratio and Its Effect on Applications

C: Paver Installation

D: Paving Around Obstructions, Non-aligned Edges and Openings

E: Cutting Equipment and Techniques

F: Compaction Equipment and Compacting Pavers

SECTION 9: Maintenance and Management

A: Introduction

B: Problem Areas

C: Cleaning, Sealing and Joint Stabilization

D: Remedial Measures

SECTION 10: Specialty Applications and Construction Tips

A: Overlays

B: Pool Decks

C: Raised Patios

D: Step Construction

E: Construction Tips

SECTION 11: Safety

A: Introduction – The Four-point System

B. Implementing a Company Safety Program

C. Conducting a Hazard Analysis

D. Typical Hazards on a Hardscape Installation Project

E. Personal Protection Equipment

SECTION 12: Estimating & Job Costing

Overhead

Profit

Foreman and Crew Incentives

Actual vs. Estimated Costs

SECTION 13: Contract Basics

Change Orders

Payment

Warranties

Section 14: Review and Exam

Appendix

Glossary of Terms

List of Tools for Paver Installation Contractors

Tech Spec 2–Construction of Interlocking Concrete Pavements

Tech Spec 5 – Cleaning, Sealing and Joint Sand Stabilization of Interlocking Concrete Pavement

Tech Spec 6 – Reinstatement of Interlocking Concrete Pavements

Tech Spec 10 – Application Guide for Interlocking Concrete Pavements

TenCate Mirafi Geotextile Technical Data

References

Name _____

Company _____

Installer Course Graphic Organizer - Chart

Chapter	Topic	What do I know?	What do I want to know?	What have I learned?

Name _____

Company _____

Installer Course Graphic Organizer - Notes

Chapter	Topic	Notes