



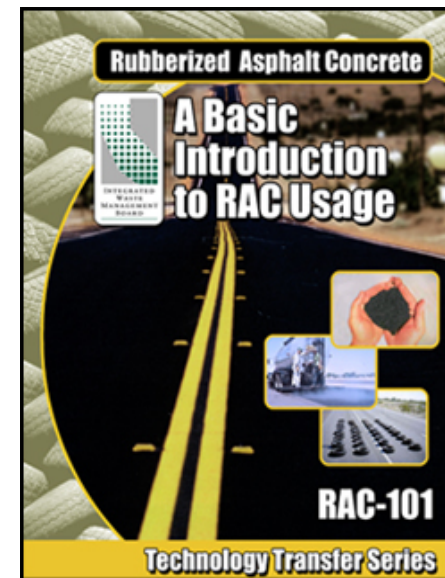
# RAC Grant Technology Transfer

## California Integrated Waste Management Board

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# Today's Objectives

- Meet Expectations
- Effective & Productive
- Lines of Communication
- RAC Overview
- RAC Construction
- Project Specific Session
- Risk Management
- Follow up Actions
- Project Success



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# Engineering and Technical Assistance



MACTEC provides consultant contract services to the CIWMB for local agencies in California on Rubberized Asphalt Concrete (RAC)

- Introduction
- Cost – Benefits – Features
- Implementation
- Application
- Oversight

**The overall objective of this endeavor is to increase RAC use by local agencies.**



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# Engineering and Technical Assistance



RAC Technology Transfer  
To Local Governments



Presentations - Seminars  
Benefits - Features - Training

RAC Engineering Design



Caltrans and Greenbook Specs  
Pavement - Binder & Mix Design

Construction Management  
Technical Assistance  
Project Oversight



Testing - Field work - Materials  
Paving - Project Evaluation  
Field Hand Books - Check Lists

Research Investigations

## CONTACTS

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# **RACTC** *funded through the CIWMB*



**Regional Workshops, technical consultation and liaison on an agency peer-to-peer basis..**

**These activities and events can also be coordinated with the MACTEC activities previously listed**



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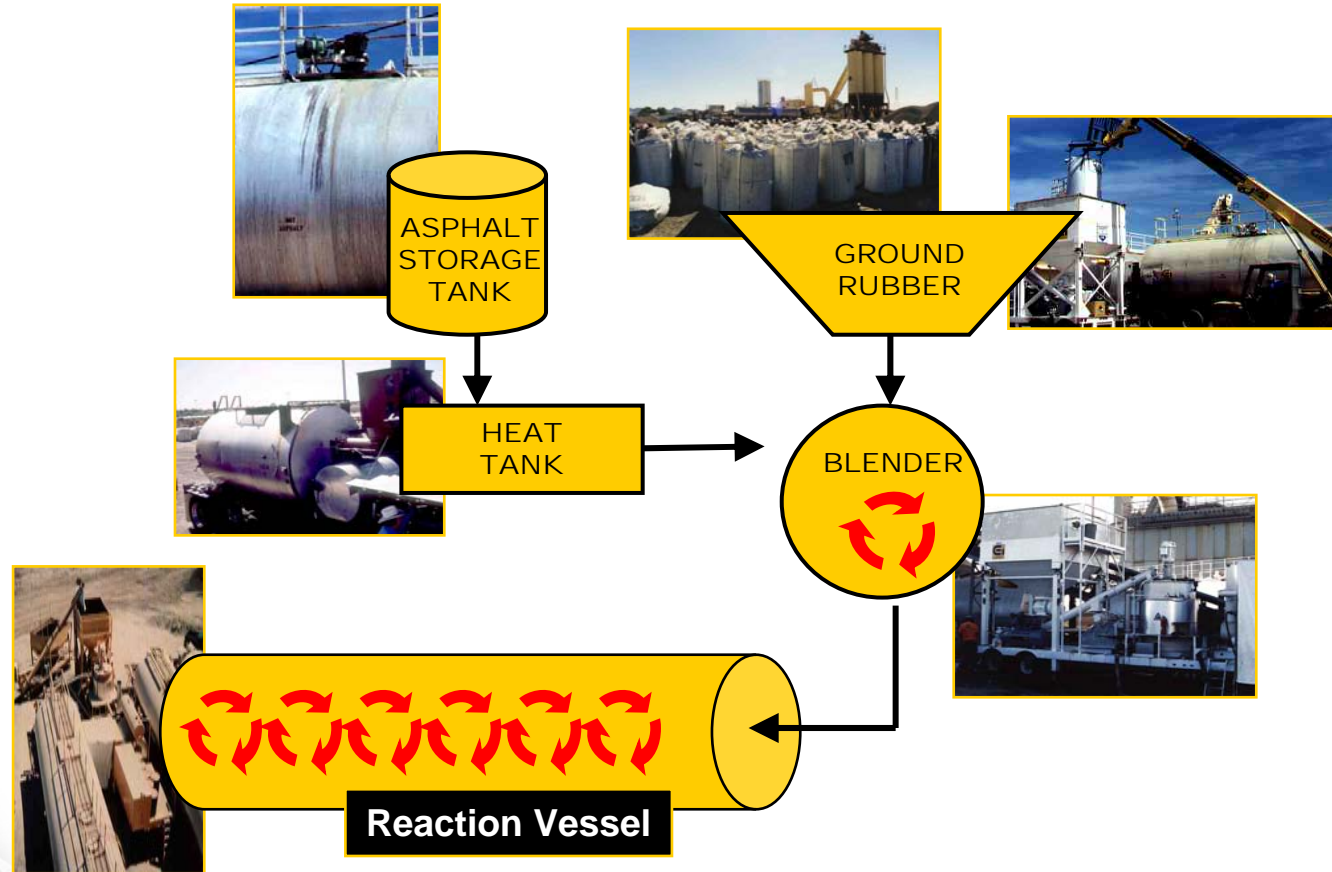


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# RUBBERIZED ASPHALT CONCRETE



RAC Technology Transfer



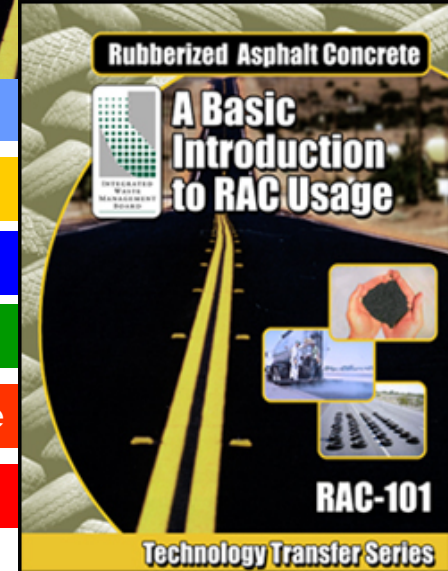
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# RUBBERIZED ASPHALT CONCRETE

## RAC Information



PVT-100 Conventional HMA

RAC-101 Basic Introduction to RAC Usage

RAC-102 Application and Usage

RAC-103 Design and Specification Guide

RAC-104 Production and Construction Guide

RAC-105 Inspection Handbook



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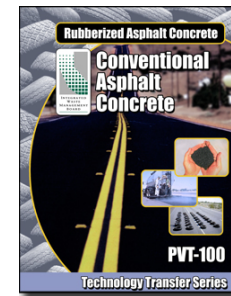


# RUBBERIZED ASPHALT CONCRETE

## RAC Booklet Series

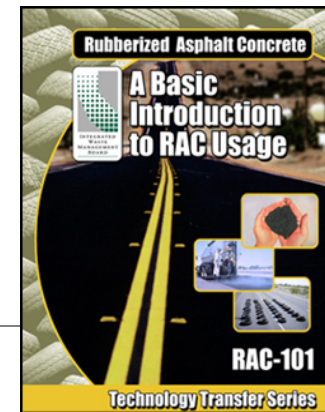
### PVT-100 Conventional HMA

Basic introduction to conventional hot mix asphalt from the constituent components – through to mix design. Covers the basics for good standard paving practices, which provides the stepping stone to RAC applications within the RAC publications listed below



### RAC-101 Basic Introduction to RAC Usage

This publication provides basic information on RAC composition and production processes, history, application and usage. It is an introduction to guidelines, benefits, and implementation procedures



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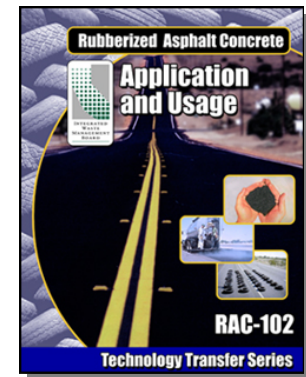


# RUBBERIZED ASPHALT CONCRETE

## RAC Grant Booklet Series

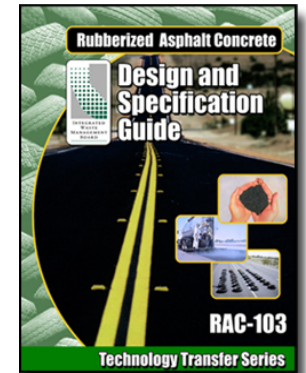
### RAC-102 Application and Usage

Describes the different RAC applications and usage for the various production processes. Contains info on Caltrans RAC Type G (Gap graded) and Type O (Open grades), as well as RAC Spray Applications and Interlayer systems. Essentially what to use, when to use, and the correct rehabilitation and maintenance applications



### RAC-103 Design and Specification Guide

This module presents the concepts and criteria involved with structural and volumetric mix design for RAC. Details common factors, and identifies the primary differences between RAC and conventional asphalt concrete materials. Essentially what to place and how to spec the product.



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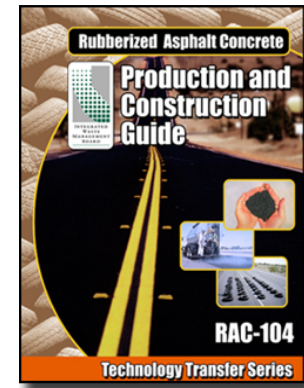


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## RAC Grant Booklet Series

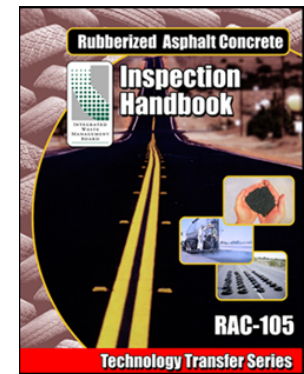
### RAC-104 Production and Construction Guide

This booklet describes the insight into RAC production and construction, from blending and mixing, to compaction and opening to traffic. Provides for information on sampling and testing requirements, troubleshooting, safety, and emissions and environmental factors involved in RAC production and construction.



### RAC-105 Inspection Handbook

Quality construction can only be obtained through quality inspection. This handbook provides useful guidelines for RAC inspection at the plant, as well as at the job site. Contains a useful troubleshooting guide with key inspection elements and check lists.



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# RUBBERIZED ASPHALT CONCRETE

## CD-ROM and Webinar Series



The Technology Transfer Series materials will soon be made available from the [www.rubberizedasphalt.org](http://www.rubberizedasphalt.org) website now administered by the CIWMB RAC Tire Program



TIPS 'N TRAPS



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## RAC Technology Transfer



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