

**COLORADO DEPARTMENT OF TRANSPORTATION  
PRE-APPROVED PRODUCT EVALUATION REQUEST & SUMMARY**

APL Reference No.

**4437**

Product Evaluation Coordinator  
Colorado Department of Transportation  
4670 North Holly Street, Unit A  
Denver, Colorado 80216

Material code:  
**711.02.01.00**

Material code description full name:  
**Concrete, Admixture**

**PART 1**

Product name: <b>Polychem SA-50</b>	Product category: <b>ConcreteAdmixtureAir Entraining</b>
Product Representative (name & address): Attn: <b>Bruce Haller</b>  <b>MAPEI Corporation</b> <b>1144 E. Newport Center Drive</b> <b>Deerfield Beach, Florida 33442</b> Phone: (954) 246-8520 E-mail: <a href="mailto:bhaller@mapei.com">bhaller@mapei.com</a>	Manufacturer (name & address): Attn: <b>Bruce Haller</b>  <b>MAPEI Corporation</b> <b>2978 Center Court</b> <b>Eagan, MN 55121</b> Phone: (954) 246-8520 E-mail: <a href="mailto:bhaller@mapei.com">bhaller@mapei.com</a>
Web-site address: <a href="http://www.grtinc.com">www.grtinc.com</a>	Web-site address: <a href="http://www.grtinc.com">www.grtinc.com</a>

**Description of the product:** (Include specific quantifiable details from tech data sheet. Advertising generalities are not appropriate.)

Polychem SA-50 is a specifically developed multi-component air-entraining admixture that has been stabilized to produce an air-void system that is consistent with industry requirements and standards. Polychem SA-50 meets or exceeds the requirements of ASTM C 260, CRD C-13 and AASHTO M 154. Polychem SA-50 is a synthetic-based alpha-olefin that will produce a small, more well-defined and spaced bubble structure. When added separately, it will produce an air-void system that is equivalent or exceeds that of pure Vinsol resin-based admixtures at reduced dosage rates.

**Restrictions,** (installation and/or use):  
n/a

**Use of the product,** (be specific to CDOT highway activities only):

**Benefits to CDOT,** (how will your product enhance quality, improve safety, save money, be a better value than other manufacturer's products):  
Polychem SA-50 will produce an air-void system that is equivalent or exceeds that of pure Vinsol resin-based admixtures at reduced dosage rates.

**Specifications:** (listing those applicable is required)

- CDOT :
- ASTM : C260, C233
- AASHTO: M154
- FHWA :
- other :

Certificate of Compliance (COC) provided  Certificate of Verification (COV) provided for select categories ONLY

**Product Testing:** (National/independent laboratories or universities with Report Date.) **Certified Test Report** (CTR) provided to validate all claims.

- NTPEP-AASHTO: CADD-2016-01-081 Polychem SA-50
- FHWA :
- other :
- other :
- other :

**State DOT Approvals,** (current documentation required): **MN,PA,CA**

Re-submittal Cycle: **12/01/2025**

Sample submitted:  yes  no  n/a Safety Data Sheets (SDS):  yes  no  n/a

Alternate Product Category:  
Additional Comments:

The following DOT's have approved this product: Minnesota DOT, Pennsylvania DOT, California DOT