PO Box 841
Valley Forge PA 19482
1-800-55-BEADS
www.pottersbeads.com

AASHTO M247-11 TYPE 1 GLASS BEAD MARKING SPHERES

1.0 GENERAL REQUIREMENTS

The beads shall be clear, smooth and spherically shaped and shall conform to the following specific requirements.

1.1 ***Gradation*** – The **AASHTO M247-11 TYPE 1** glass beads shall meet the gradation requirements as given below and shall be tested in accordance to ASTM D1214 and AASHTO PP-74-13.

US Sieve No.	Microns	Mass % Passing
16	1180	100
20	850	95-100
30	595	75-95
50	297	15-35
100	149	0-5

1.2 ***Roundness*** – **AASHTO M247-11 TYPE 1** safety spheres shall be at least 70% round by Computerized Optical Method (AASHTO PP-74-13) or approved equivalent in accordance with AASHTO T346-13 Section 6. %Rounds may increase to meet local specification enhancement.

1.3 ***Refractive Index*** – The **AASHTO M247-11 TYPE 1** glass beads shall have a refractive index of 1.50 to 1.55.

1.4 ***Coating*** – The **AASHTO M247-11 TYPE 1** can be ordered with coatings to meet or exceed each state or paint manufacturer specification, typically an Adherence Enhancing or Dual Coating.

2.0 APPLICATION SPECIFICATIONS

AASHTO M247-11 TYPE 1 Glass Bead Drop rates in lbs./100 sq. foot				
System	Standard 15 mil Waterborne	High build Waterborne	Epoxy	Thermoplastic
Single Drop	6-8	6-8	12-16	6-8
Double Drop with M247 Type 1		6-8 8	12-16 8	6-8 8

These materials are provided for the information of the recipient only and nothing contained herein shall constitute a representation or warranty of any kind by PQ Corporation. The recipient cannot rely on the information set forth herein for any reason, and any such reliance shall be at the recipient's sole risk."

Although the information and suggestions in this brochure ("information") are believed to be correct, Potters Industries LLC makes no representations or warranties as to the completeness or accuracy of the information. The information is supplied upon the following conditions: The person receiving the information will determine its suitability for their purposes; Potters Industries LLC will not be responsible for damages of any nature whatsoever resulting from the use of, or reliance upon, the information or the materials, devices or products to which the information refers; No information is to be construed as a recommendation to use any product, process, equipment or formulation in conflict of any patent; Potters Industries LLC makes no representation or warranty, express or implied, that the use thereof will not infringe any patent and NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER NATURE ARE MADE HEREUNDER WITH RESPECT TO INFORMATION OR THE MATERIALS, DEVICES OR PRODUCTS TO WHICH THE INFORMATION REFERS.

©2015 Potters Industries LLC. All rights reserved. No part of this publication may be reproduced, stored in a retrieval system or transmitted in any form or by any means electronic, mechanical, photocopying, recording or otherwise, without the prior permission of the publisher and copyright holder.

Rev. 12172015