

Certificate

of passed Barrier Testing Programme



Certificate No.: TC-12467-3550-19401
Date of certification: 01-JULY-2020

Contracting Client:

ZABAG Security Engineering GmbH
Am Wasserwerk 38
09579 Grünhainichen
Germany

Type of Product:

Bollard, "Z-HFFP-273"

Test Standard:

IWA 14-1:2013

Test Standard Classification:

N3D - 80 km/h

Test Date:

18-JUNE-2020

Vehicle Restrained:

Yes ☒ No ☐

Vehicle Immobilized:

Yes ☒ No ☐

Vehicle advanced beyond Barrier:

Yes ☐ No ☒

Test Vehicle Kinetic Energy at Impact:

3043 kJ

Performance Rating:

Bollard V/12000[N3D]/80/90:5.4

Only valid in connection with CTS-Test Report No.:

12467-3550-19401

If completely changed this certificate will be
replaced by certificate No.:

TC-12467-3550-19401-2

Sincerely

A handwritten signature in blue ink, appearing to read "P. Schimmelpfennig", written over a horizontal line.

Dipl.-Ing. Peter Schimmelpfennig (Managing Partner/Head of Laboratory)