

# RoofDam Storage Evaluator

# AMPTTEAM

• GUTTER SPECIALISTS • SITE SURVEYS • DESIGN • DEVELOPMENT • MANUFACTURE • SUPPORT •

**Client:** Sample  
**Project:** Sample  
**Location:** Gainsborough  
**Catchment:**

**Catchment Details:**  
Roof Length 50 m  
Roof Width 15 m  
Roof pitch 10 deg  
  
Valley Gutter

**Storage Details:**  
Blade Height 150 mm  
Number of blades 3  
  
Profile Sheet

**Outflow Details:**  
Discharge rate 31.25 l/s

**Rainfall Details:**  
Return Period 60 years  
Rainfall category Cat 2

Duration	mm	intensity l/(s.sqm)
5 min	13.0	0.043
6 min	14.5	0.040
7 min	15.9	0.038
8 min	17.1	0.036
10 min	19.3	0.032
15 min	23.2	0.026
20 min	26.1	0.022
25 min	28.3	0.019
30 min	30.2	0.017

**Results:**  
Outcome: Pass  
Max Water Depth (mm) 146.6  
Max Storage width (mm) 831.4  
Storage Duration 45.25  
Loading on roof 73.3

