Certification

Stageline Mobile Stage Inc. Equipment

Stage and Covered Sound Wings Windwalls

We, from Stageline Mobile Stage inc., certify that the component identified above has been specified by the engineering department to meet NFPA 701-04 and ULC S-109 (Standard Methods of Fire Tests for Flame Propagation of Textiles and Films).

MODEL	WINDWALL AREA	MODEL	WINDWALL AREA
SL-100	679ft² (63.1m²)	SAM-440	1147ft² (106.6m²) + 2 x 731ft² (67.9m²)
SL-200	490ft² (45.5m²) + 2 x 198ft² (18.4m²)	SAM-550	2 x 690ft² (64.1m²) + 2 x 747ft² (69.4m²)
SL-250	566ft² (52.6m²) + 2 x 243ft² (22.6m²)	SAM-555	2 x 805ft² (74.8m²) + 2 x 793ft² (73.7m²)
SL-260	599ft² (55.6m²) + 2 x 257ft² (23.9m²)	Covered Sound Wings SL-250/260	632ft² (58.7m²) + 2 x 112ft² (10.4m²) per side
SL-320	991ft² (92.1m²) + 2 x 600ft² (55.7m²)	Covered Sound Wings SAM-555	2100ft² (195.1m²) + 275ft² (25.5m²) per side
PROMOBILE	594ft² (55.2m²) + 2 x 288ft² (26.8m²)		

Research & Engineering

Reviewed for Code Compliance
Inspection Division
Approved with Conditions
Date: 06/01/17

CITY OF PORTLAND MAINE

A) Wind weather condition during set-up and dismantling of the stage and windwalls

The windwalls are the elements most at risk in windy conditions and the installation can become problematic. Wait until the wind has subsided before installing windwalls. If this is not possible, roll up windwalls and fasten with ratchet strap to the roof before raising the structure so as to not lash and hurt anyone. We also suggest increasing your staff to have this operation done faster and more safely.

If wind speed exceeds 40 mph (65 km/h), windwalls and stage installation are not recommended. We highly suggest you wait until wind diminishes before completing the set up or dismantling the stage and windwalls.

B) Wind weather forecast condition when stage is up, fully pinned and prior to start the event

The Stageline Mobile Stages are designed to resist 3 seconds wind gust up to 90mph[1] (145 Km/h). However, this wind resistance depends on a proper installation of all support equipment and braces. In any weather conditions, the stage must be inspected and all its components must be secured.

If wind gust is expected to exceed 50mph (80 km/h) for the upcoming event, roof structure should be lowered to reduce exposed surface and windwalls removed.

C) Wind weather condition when stage is up, fully pinned and during the event

The Stageline Mobile Stages are designed to resist 3 seconds wind gust up to 90mph[1] (145 Km/h). However, this wind resistance depends on a proper installation of all support equipment and braces. In any weather conditions, the stage must be inspected and all its components must be secured.

1. If wind gust exceeds 40mph, roll up all access doors.

2. If wind gust exceeds 60mph (97 km/h), unclasp the windwalls. If the storm intensifies, openings should be slashed in windwall. It is better to sacrifice a windwall than to possibly damage the stage as well as sound and lighting equipment.

3. If wind gust exceeds 90 mph[1] (145 km/h), the public and all personnel present have to evacuate the premises and remain at least 100 ft (30 m) away from the stage.

Note: The most probable scenario during a violent rainstorm is that the windwall will be torn away. This is why it is so important to keep all technicians and the crowd at a safe distance.

[1] *80 mph (129 km/h) for an SL-100 or Mix position*

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