



MASTERFOAM S333/e

An Expanding Polyurethane Foam Sealant

1.0 Description

MASTERFOAM S333/e is multi-purpose, polyurethane foam that expands to its to fill holes, cracks and gaps more completely than standard caulks. MASTERFOAM S333/e has excellent insulating properties and super adhesion to virtually all building material. Master Foam S333/e is CFC and HCFC-free; it is not harmful to ozone layer of atmosphere. For practical purpose, Master Foam S333/e is packed by one component or two component unit. S333 denote packing by standard pressurized can which is applied by single nozzle or guns. For S333/e, it is packed by drums, in form of part A and part B to facilitate mass volume application.

2.0 Technical Data

Basis Polymer	Polyurethane Prepolymer	
Density of expanded foam	15 - 30kg/m ³	
Compressive Strength (AT 10% Compression)	35-100kpa	
Elasticity Limit	150 kpa	
Elongation At Break	8-20 %	
Shear Strength	22-50kpa	
Percent Close Cell Content	60-70%	
Thermal Conductivity	<0.035Kcal/mH°C	
Water absorption	0.3 % Vol	
Maximum Service Temperature	+5°C – +40°C	
Ideal Application Temperature	+12°C – +25°C	
Self-extinguished Product	B2	
Adherence	PVC-PVC >100kPa Alu-Alu>80kPa	
Shelf Life	Most building materials except teflon, silicone and polyethylene 12 months (Keep dry at 23°C)	
Working Times		
% Relative Humidity	Tack-Free Time	Cut-Thur time
70%	6 min.	30 min.
50%	8 min	45 min
30%	15 min	90 min



3.0 Typical Application

Weatherproof against Wind & Moisture, Fills Gaps, Crack & Holes, Seal out Insects & Pest, Use include insulation, fixtures, ductwork, foundations, door and window frames, electrical outlets, roof penetrations etc. It is also suitable to serve as back-up material in packaging line or for emergency demolition works.

4.0 Application Details

Preparation:

The surface must be solid and materials reducing adhesive such as grease and dust must be removed before application. Shake can before and during use.

If Air humidity is lower than 40%, please humidify the joint with water to obtain better result. Use gloves for protection.

5.0 Application

Use protective gloves. Hold can upside down and apply by pressing nozzle. Fill gaps only 40% full to allow for expansion. Foam becomes tack free in 20 minutes. Fully cures in 24 hours. Uncured foam and nozzle can be cleaned with acetone or paint thinner. Trim cured foam with knife. Cured foam may be painted or stained. Outdoor applications must be painted to protect from ultra-violet light.

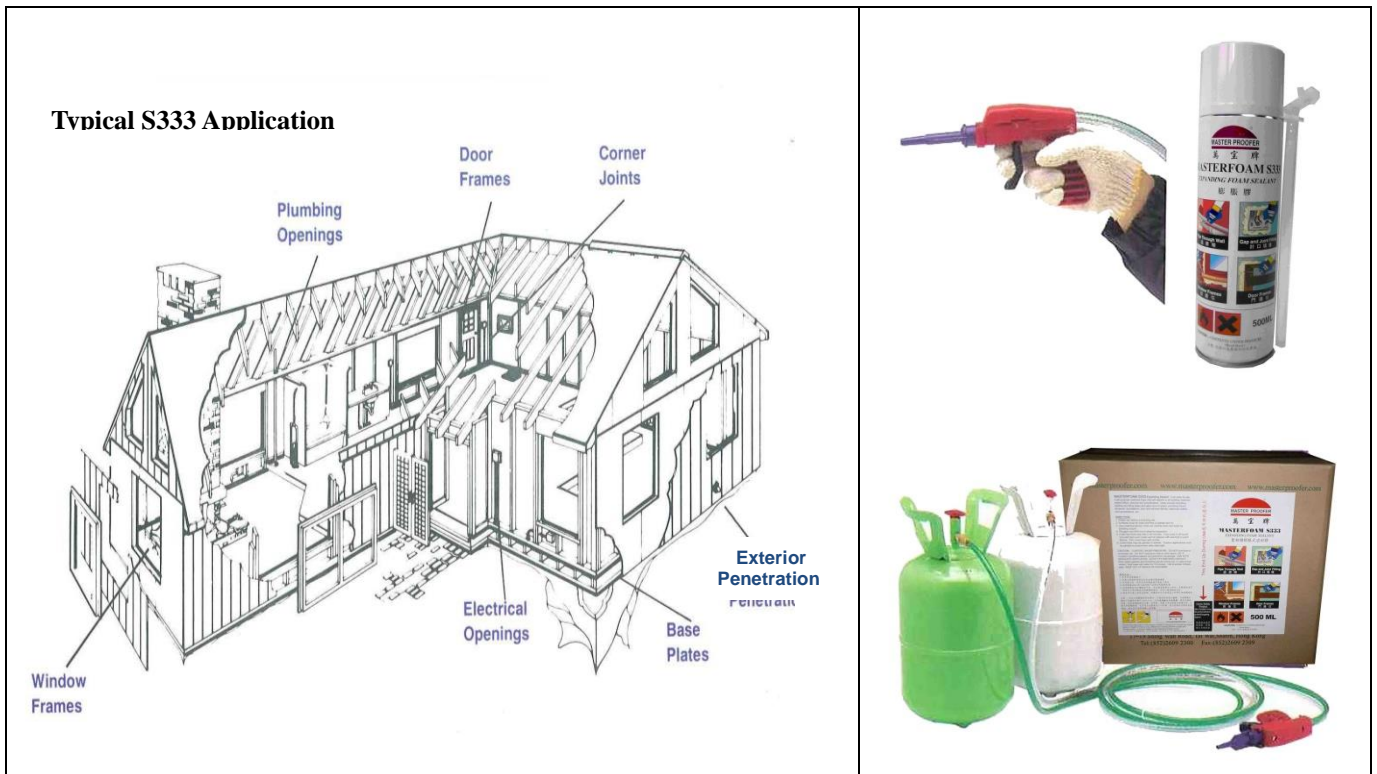
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6.0 Typical Applications



7.0 Caution

Content s under pressure. Do not puncture or incinerate can. Do not expose to heat or store above 120°F. Contains hydrofluoralkane and polymeric isocyanate. **Use with adequate ventilation. Avoid eye and skin contact.** Wear safety glasses and protective gloves during use. In case of eye contact, flush eyes with water for 15 minutes. Call physician immediately. **Keep out of reach of children.**

8.0 Coverage

For a 500ml/can, the expanded foam fills up approximately volume of 22 to 27 liter subject to temperature and others environmental factors. For 750ml. It fills up approximately 33 to 40 liters.

9.0 Packaging

S333: 500ml(650g) /Can, S333e, 150 Litres / Bulk set or tailor-made unit.

10.0 Technical Support

The Technical Office of Master Proofer Company Ltd. is readily available for advice on any of MASTER PROOFER products.