

TDS

REVIEW: 01/2017

Standards:

USGBC LEED, EQ Credit 4

ANSI/GRHC/SPRI VR-1 (2011) compliant

FLL Root Resistant

RenFlex HM-45

Component A:

Component B:



RenFlex HM-45 is a hand mixable, self-leveling, 100% solids, flexible, two-component polyurea and ambient temperature cured material. Designed for small coating applications, slab stabilization, and small patching where mixing by hand or pumping through non-heated plural component equipment is desirable. is a superior hand mixable material designed specifically for applications requiring elastomeric qualities. RenFlex HM-45 is flexible and adapted to the movement of the substrate. Can be used as a low pressure spray material with ambient cure on all bondable surfaces. This coating cures between -40 and 54 ° C.

TECHNICAL INFORMATIONS**TYPE**

Aromatic elastomeric polyurea 100% solids, bicomponent.

USAGE

Can be applied in temperatures below freezing and is ideal for use in cold storage facilities, freezers and food processing plants, where time and temperature are critical.

TECHNICAL INFORMATIONS

COLOR	According to standard catalog	
VOLUME SOLIDS	100%	According ISO 3233
VOC	No VOC	
MIXING RATIO		Volume
	Comp. A	1,0
	Comp. B	1,0
SHORE D HARDNESS	> 45	According ASTM D2240
TENSILE ELOGATION	300% - 450%	According ASTM D638
TENSILE STRENGTH, psi	1400 -1600 psi	According ASTM D638
TEAR STRENGTH	300 - 360 (lb./in.)	According ASTM D624
POT LIFE	3 - 4 minutos	
TACK FREE	45 minutos	According ASTM D1640
FINAL CURE	7 dias	

APPLICATION

Hand Mixing: Mix in small quantities, mix equal amounts of 'A' and 'B' components until homogeneous mix is achieved. Add the 'B' side to the 'A', not 'A' to 'B'. If 'A' is added to the 'B', the material will have a thick, putty like consistency. Apply material directly to surface to be coated using a trowel or brush. Machine Dispensing: Use 1:1 ratio pump, with or without heater as required for individual application. Low pressure spray head should be used for ambient cure spray applications..

SHELF LIFE 12 months

UN NUMBER 1263

HAZARD NUMBER 33

IMPORTANT RECOMMENDATIONS

1. The practical spreading rate of the product varies according to the applied thickness, application method and techniques, type and rugosity of the surface and ambient conditions.
2. The weight/l, viscosity and drying values were obtained in laboratory at a temperature of 25°C. At an altered temperature, the results might be different from the specified ones.
3. Low temperatures increase curing time. For temperatures below 10 ° C, consult our technical department.
4. Pot life is shortened by higher temperature and by the increase of catalyzed volume.
5. Allow concrete surfaces to cure thoroughly prior to the application of the RenFlex HM45. RenFlex HM45 is an aromatic base polyurea. Discoloration of exposure to ultraviolet light may occur, however, are unaffected.
6. If the recoating interval is exceeded, proceed with light sanding. For temperatures above that established, the overcoating interval will be reduced.

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SAFETY PRECAUTIONS

1. Improper use and handling of this product can be hazardous to health and cause fire or explosion. Do not use it without first taking all appropriate measures to prevent property damage and injuries.
2. Storage: keep the product in sheltered, well-ventilated areas. Maximum temperature: 40°C. Must not be directly exposed to the sun.
3. Flammable: flammable product, which must be kept distant from ignition sources, and do not smoke nearby.
4. Inhalation: Avoid breathing vapors, keeping proper ventilation during application and drying.
5. Handling: wear proper protective clothing and masks, goggles, etc. Do not eat or drink nor allow children and animals to be near the application area.

HEALTH HAZARDS

1. Skin contact: wash affected area thoroughly with neutral soap.
2. Clothing contact: remove clothing and wash it.
3. Leakage: Isolate the area, and do not smoke nearby. If large quantity leaked in confined area, wear protective masks. Do not inhale vapors. Stop leakage with sand, sawdust or soil, and transfer liquid and solid to separated recipients for disposal.
4. Fire: protect non-affected recipients with water spray. Extinguish fire using carbon dioxide, foam or dry chemical.
5. Eyes contact: flush eyes with large amounts of clean water for at least 10 minutes, and get medical attention immediately.

IMPORTANT: For further information consult the product MSDS (Material Safety Data Sheet).
