



DESCRIPTION

ROOFLEX is an Elastomeric compound, ready to apply fluid roofing material which provides a joint free, seamless, waterproof, insulation elastic protective membrane for roofs and foundation protection of buildings. It is suitable for all kinds of roofing materials like asphalt, asbestos, cement, metal, wood, terrazzo tiles and concrete etc. It acts as an affective barrier to humidity waterborne salts and atmospheric effect.

FEATURES

- Extremely light weight-reduces dead weight.
- Energy efficient-reduces heating/cooling cost.
- Resistant to Infra red, Ultra violet rays.
- Ease of application.
- Flexible.
- Bonds equally well to porous and non-porous surfaces. Positive adhesion qualities.

USES

- Water proof coating for all kinds of roofs/ substrates.
- Insulation coating for roofs & Exterior walls
- Water proof lining for water retaining structures (water tanks etc.).
- Seamless exterior coating.
- Sealant for sanitary fittings.
- Foundation protective coating for new construction.

ADVANTAGES

ROOFLEX resists the action of a wide range of chemicals, usually found in industrial environments, atmospherically polluted rain water, stagnant water and bacterial growth etc. **ROOFLEX** has an inherent extinguishing quality and will not support flames. Requires no social surface treatment in order to meet UL Class- A Fire Safety Requirement. **ROOFLEX** Membrane can be revolved at any time during its life to offset mechanical damage, and to accommodate changes in penetration or roof mounted equipment (like antennae etc.). **ROOFLEX** is made for reflectivity and weather resistance. It is compounded to resist degradation resulting from heat and UV radiation.

INSTALLATION

INSPECTION

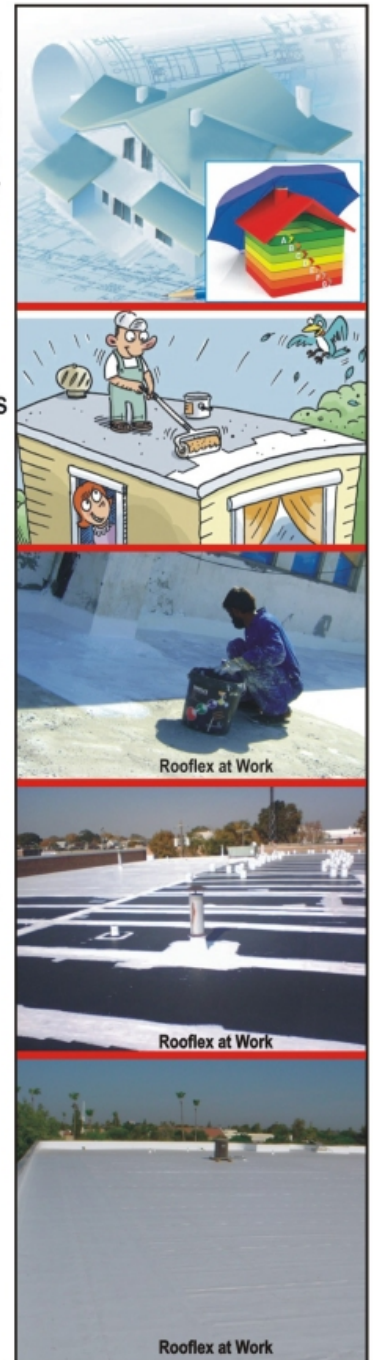
- The surface must be dry, clean, stable, free from dust, dirt and rust.
- Roof Surface should be free from standing water.
- Concrete surface must be of high density, smooth and fully cured.
- For metal surfaces, all jointing metal sections should be properly closed and mechanically fastened or welded.
- For wooden surfaces, old, deteriorated wood must be replaced. Ensure all nail heads are driven flush to the surface.
- To Terrazzo Roof Tiles clean and repair or replace the damaged joints/ tiles.

PREPARATION

- Remove blisters and major defects from surface and replace with appropriate material.
- Caulk or tape joints , cracks, splits and minor defects.
- Eliminate standing water and dry the surface.
- Just prior to application, remove the dust, dirt and other contaminates by brushing, vacuuming or power blowing.

APPLICATIONS

- Flood primer coat of **ROOFLEX** (33%) will be applied with dilution of water (67%) with the thickness of 1mm on whole surface.
- After drying of primer applied in separate coats each at a right angle to the previous.
- Apply two coats at the approximate rate of 0.5kg to 1.00 Kg per square meter with brush, roller or spray equipment according to the surface requirement.





Hy Performance Joint Free Elastomeric Waterproofing & Insulation Membrane.

- Allow each application to dry thoroughly prior to second application.
- Reinforce **ROOFLEX** by incorporating a canvas cloth, non-woven polyester to allow for substantial movement of structure.
- All Exposed pipes, drains, water lines should be reinforced properly.

CAUTION: Never apply **ROOFLEX** when rain is imminent.

PRECAUTIONS

- Minimum temperature for application 8°C.
- Apply in two even coats. A thick coat may result in incomplete and / or cracked formation.
- Avoid brooming with hard bristles as it may damage the cured membrane.

HEALTH & SAFETY

- As with all chemical products, care should be taken during storage and use.
- Avoid contact with eyes, mouth, skin and food stuffs.
- If **ROOFLEX** splashes into eyes or is ingested accidentally, seek immediate medical attention.
- Reseal containers after use and wash application equipment with water immediately.

ROOFLEX AS AN INSULATOR

PROTECTION AGAINST HOT SUN RAYS

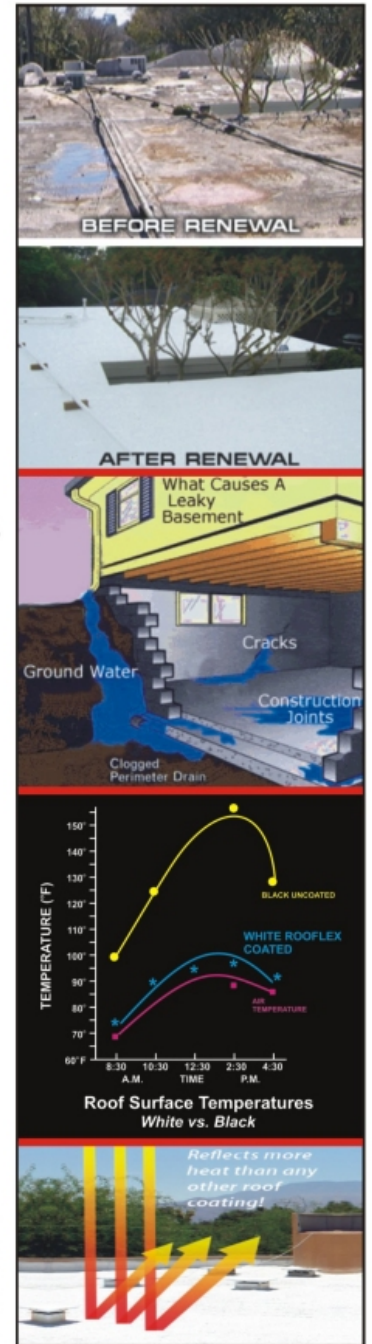
ROOFLEX provides solar reflectance, which means it reflects most of the infrared, Ultra violet and visible light striking the surface of the coating. Over 80% of light & heat striking on **ROOFLEX** is reflected back into the atmosphere and away from your roof. It bounces the heat back into the atmosphere. This synergistic effect means that **ROOFLEX** the majority of radiant energy away from the structure while the micro-porous structure of the coating dissipates and blocks any radiation that is absorbed and reduces the energy transmitted to the substrate.

PROTECTION AGAINST THERMAL SHOCKS

ROOFLEX also helps prevent thermal shocks. A hot roof can experience thermal shock when a passing shower of cold rain on the hot roof causing a rapid and tremendously violent contraction. These violent contractions can rip seams open pop fasteners out of the roofs substrate, pull flashiness out of the imbedding plies and generally destroy your roof. Keeping your roof cool prevents the radial contraction that leads to roof shock premature roof failure and costly replacement costs.

MONEY SAVING AGAINST HIGH AIR CONDITIONER BILLS

The best reason to use **ROOFLEX** is simply put you save money ! How much does it cost? Will, considering reduced electric bills, less wear and tear on air conditioner components. Extended roof life. Increased comfort and the beauty supplied. Its almost free, **ROOFLEX** will help pay for itself before you know it by enabling you to save 10-15% of your electricity cost. **ROOFLEX** is a high build coating made from highly water resistant polymers and additives that give flexibility and durability.



How **ROOFLEX** is better than other Waterproofing / Roofing materials.

	ROOFLEX	Torch applied Membrane	Bitumen	Two component coating
Flexible	Yes	No	Yes	No
Bonding with Surface	Yes	No	Yes	Yes
Single layer application	Yes	No	Yes	Yes
Insulation factor	Yes	No	No	No
Reflection of UV Rays	Yes	No	No	No
Long life	Yes	No	No	No
Cracks factor	No	Yes	Yes	Yes
Heat absorption	No	Yes	Yes	Yes

Technical Specifications

Property	Result	Test Method
Tensile strength	300psi	D4129 AC
Elongation	502%	D1429 AC
Crack cycling (50 cycles)	unaffected at -15°C	C836
Peel off strength	75 lb./ in	D903
Puncture resistance	40 lb. (min)	E154
Lap adhesion	70 lb. / in	D1876 AC
Fire resistant	Class A	UL790
Bearing temperature	-25°C to 100°C	D419 AC
Weather ability	15000	QUV
Hardness shore	A-70	D5385
Presence	0.050 prms	696 (b)
Exposure to fungi	No effects	GSa-BPSO7115
Installation temperature	+5°C to +45°C	D7970

Some Corporate Projects.(Treated with Rooflex)

Embassy of United States of America.
 American Consulate Lahore.
 US-AID Annex Islamabad.
 The AMERICAN club (U.S Embassy)
 Pakistan Ordinance Factories (P.O.F Wah.)
 Naval Head Quarters Islamabad
 Library of CONGRESS (U.S Embassy) Islamabad.
 Wah industries (Wah cantt).
 Comsets institute (Wah cantt).
 Joint staff Headquarters Rawalpindi.
 Joint chief official residence Rawalpindi.
 8 engineers Peshawar.
 11 corp. Peshawar.
 M E S Pakistan.
 GRC Headquarters Peshawar.
 Chaklala garrison Rawalpindi.
 Pakistan sports board head quarters Islamabad.
 Ministry of sports Islamabad.
 Air Weapons Complex (A.W.C) Hasan Abdal.
 (P.T.A) Headquarters Islamabad.
 Frequency Allocation Board Headquarters Islamabad.
 Frontier Education Foundation Girls College & Hostel (Sawabi)
 Pearl Continental Hotel, Rawalpindi.
 Marriott Hotel Islamabad.
 Pakistan Broadcasting Corporation. (Radio Pakistan).
 Schlumberger (Western) S.A.
 Australian High commission.
 LAL Masjid Islamabad.
 National Fertilizer Company (NFC)
 Para trooping Training School Peshawar.
 Embassy of Romania.
 Embassy of Republic of Poland.
 Maroof Hospital Islamabad
 Australian Education Office Islamabad.

Embassy of the Hashemite Kingdom of Jordan.
 Consulate General of ICELAND.
 Utility Stores Headquarters.
 INTERBANK.
 HALLIBURTON Islamabad.
 I.C.R.C Islamabad.
 Care International.
 Green star marketing.
 Premier group of companies.
 Ecopac bottling Plant Hattar.
 Hunza House Islamabad.
 F C I Cables Islamabad.
 Northern University.
 Mega zone F-10 Park Islamabad.
 BHP Billiton.
 SENT THAMOUS church Blue area Islamabad.
 M/s. Genera Pharmaceuticals.
 A.R Textiles Hattar / Haripur
 AXIS Plaza, Sadder Rawalpindi.
 Thermotec Textile (Pvt) Ltd. Hattar.
 Green star Marketing Islamabad.
 M/s Energy Resources Development.
 Agricultural Engineering Workshop RWP.
 M/s Global Water Partnership.
 East West Infiniti (Pvt) Ltd.
 W.H.O Islamabad.
 Tripack Films Hattar.
 PTCL Exchange and gateway Satellite Town Rawalpindi.
 Tareen cold storges & tareen hospital. (Sahiwal)
 Herbion Pharmaceuticals Islamabad.
 Alcatel-Lucent *Pakistan* Ltd
 Ecopack limited Hattar.
 Bridge branch brigade 177 mess Jehlum.
 MAK Pumps Islamabad / Peshawar.

& More than 2000 Domestic / Commercial Projects all over Pakistan.