Revolutionize Energy Conservation!



Cool & Protective
Enveloping of buildings
with Cool Roofs & Green
Hues of Success



This is what our inspiration is !!! This is where our business Journey starts from....



Inspire
Innovate
Evolve
Excel





A Small Effort... A Big Dream

is All Set to
Contribute &
Combat the
Hostile Effects of
Global Warming!
Making this World
More Beautiful &
Safer Place to
Live in!

Revolutionize Energy Savings!

COOL HOMES WITHOUT AC!



WINNERS OF POWER OF IDEAS 2010

Aesthetic Solutions



Panache Green Tech Solutions Pvt Ltd

THE ECONOMIC TIMES

Certificate of Recognition

This is certify that	Neetu Jain	successfully reached the
final phase of Investor	Meets in The Power of	The state of the s





Mulidiaper

The Economic Times

Coat the World White !

Just Imagine!

The area where ever the Cool Roof,

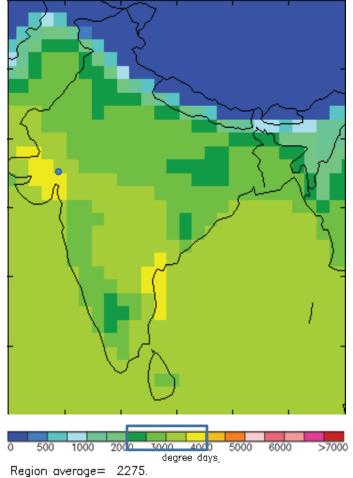
IR Reflective coating is applied – On that surface

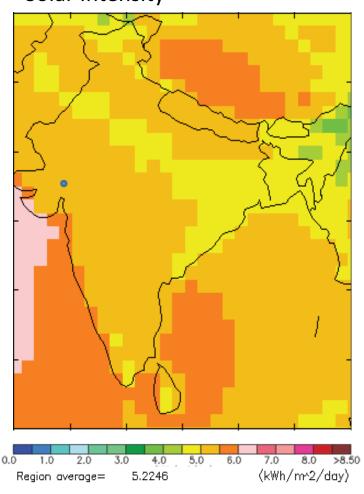
NO heat generated!

Adding to the decreased atmospheric temp – Reducing the Heat Island effect!

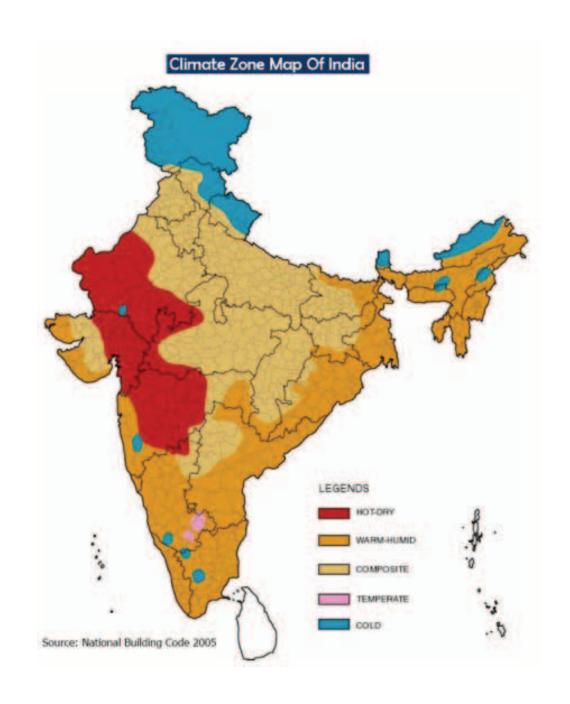
Cooling Degree Days







	Ahmedabad		
Annual - Cooling Degree Days (18 deg. C)	3382		
Maximum Direct Solar of	7429 Wh/m² on Apr 5		



Major Cities Cooling Degree Days/ Solar Intensity with High Construction Growth:

	Ahmedabad	Bangalore	Calcutta	Chennai	Mumbai	New Delhi	Hyderabad
Annual - Cooling Degree Days (18 deg. C)	3382	2036	3028	3718	3299	2679	3183
			7089				
	7429 Wh/		Wh/m ²	6165 Wh/	7062 Wh/	7196	9498 Wh/
Maximum	m ² on Apr	m ² on	on May	m ² on	m ² on	Wh/m ²	m ² on
Direct Solar of	5	Feb 3	4	Jun 11	Oct 17	on Apr 7	May 22

NEED OF THE TIME – Energy Conservation

"Due to the tropical climate, we have a heavy influx of Solar heat and light." The average annual spending on the energy bill consists of 35 per cent on cooling load (air-conditioning), and 20 per cent on artificial lighting, in spite of excessive natural light

Extreme Temp variation – Extreme Solar Heat gain – Increased electricity bills

This calls for a dire need to go green.

Void for eco friendly construction solutions for energy conservation!

Consequences of Increased Temp

Increased atmospheric / indoor Temp Leads to -

- More AC consumption increased electricity bill Hole in Wallet
- More CO₂ foot prints by increased electricity units
- Structure life reduced crack formed
- Rate of increased of expansion & contraction
- Water leakage problem of concern
- Frequent renovation cost for paint peel off, leakage problem
- Heat Island Effect Increased

Grabbed the Opportunity!! Innovative Approach for Cool Affordable Housing!



Panache's innovative economic solutions -

Panache's coating system ensure every structure exposed to Sun heat & rain water to be

GREEN, COOL, INSULATED, WATER PROOF & CRACK FREE

Ensuring every structure to be Cool & Water Tight with Enhanced Aesthetics!

Innovative Technology – IR Reflection Technology & Nanotechnology

What is Panache....

- Making buildings more energy efficient is at the heart of Panache's strategy. It offers enhanced solutions by striving to help protect the environment and, at the same time, improving the comfort and quality of life.
- Panache, a strong advocate of sustainable and renewable building technologies, offers Cool insulated Roofs & Walls and Complete enveloping of the building protecting it from Solar gain, Thermal Gain & rain water with latest technology without any additional costs.
- We are envisioned to provide with

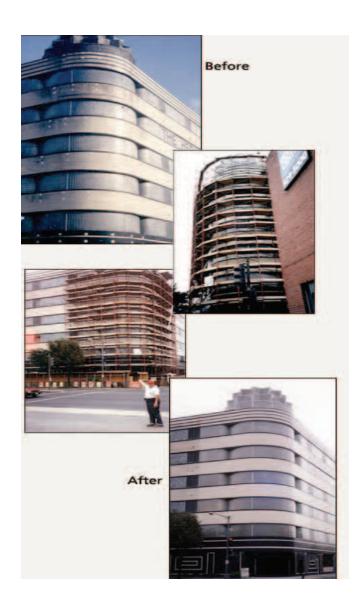
"Cool Homes without AC with a greener approach" Revolutionize Energy Saving; Preserving the Future!

CONCEPT.....destructing factors for any construction



THERMAL HEAT











"Nothing in the World is as soft as Water & as Hard as Sun Heat, Nothing in this world can surpass it. We at

Panache

DARE to surpass the destruction caused by HEAT & WATER "

Exteriors by Aesthetic Solutions – Cool Homes Without AC!





Cool Roof – on Metal Corrugated Industrial shed



FASCRS SEAL – Eco friendly waterproofing & Cooling on Corrugated roof



Other Projects:

Nainital and Pantnagar Cool Roof Project Started May 2100







Surface before coating & treatment - Pantnagar

After Scraping of Bitumen

After Cool Roof Coating



Surface before coating & treatment - Nainital



Cool Roof Coating- First stage



After Cool Roof Coating

Before Coating Roof Area





After Cooling Treatment

Before Coating- Corroded MS Tank

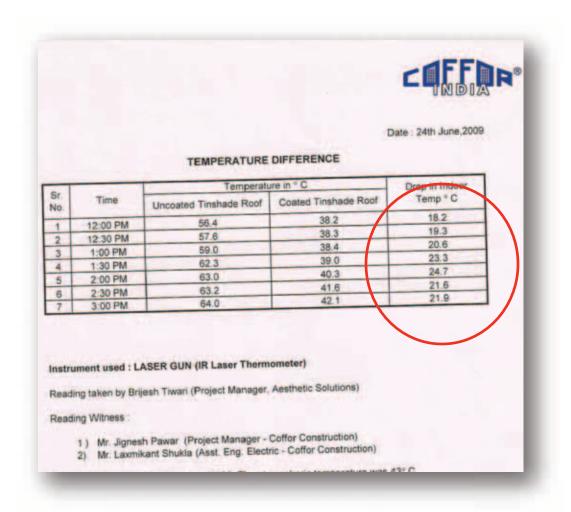






After Coating MS Tank

Proven Projects - Coffor Industries / Industrial Solvents







Laxmikant Shukla Coffor Construction Tech. Pvt. Ltd.

"Good cooling Technique, Earlier I have to shutdown our electric panels due to heat, now I don't have to do so."



Harish Chavda Industrial Solvents Ltd.

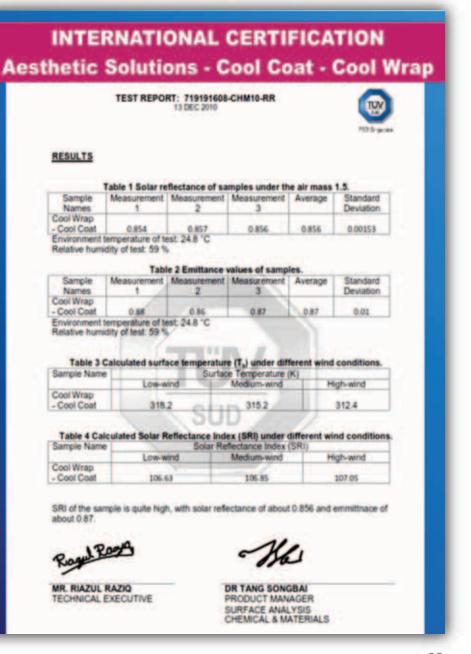
"Due to cooling My employees efficiency increased by 2 hrs."

Our achievements

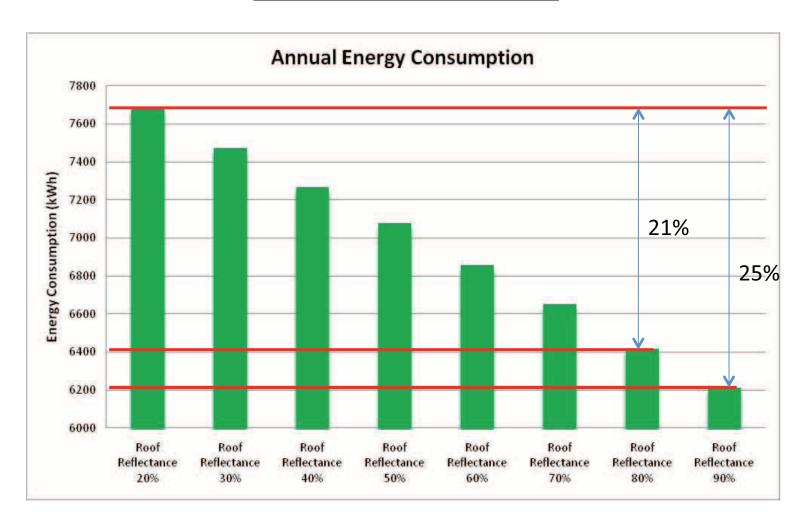
In the short journey from 2008 to 2011

It's just the start ...there is a lot to be achieved yet!

Today, all our products are internationally certified. From one product in 2008 to a complete range of products catering to complete exterior protective enveloping catering the needs of indoor cooling and weather protection of both roofs and wall.

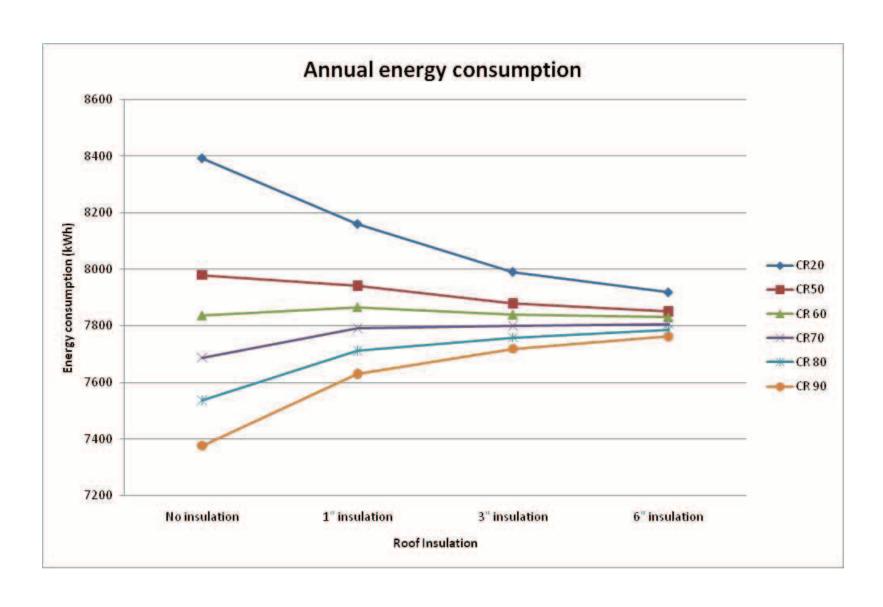


Analysis - Cool Roof



The energy consumption reduction indicated is with use of only Cool roof, this can be increased by adopting Cool Walls too

Analysis - Cool Roof vs. insulation



Challenges — Market Approach Need strong conviction to face it & overcome .

- "Initially, we had trouble making people understand the applicability of our product. The issue of global warming – climate change was not the centre stage of boardroom discussions.
- "People were not concerned about energy conservation!
- Lack of awareness between people easy & economic mode of energy conservation Cool roofs ?
- More focus on water proofing.
- Our approach –floated the concept even after water proofing treatment

 excessive heat cause increased rate of expansion & contraction, it was
 necessary to prevent it from the heat.
- People not ready to spend extra penny for Cooling / energy conservation –
 Builders / Developers Do not own the property Cost cutting tendency .

Practical Challenges

- People / professionals having more inclination for insulation R
 Value / U value ;
- People Professionals awareness lacking Conversion factor of SRI value & R value. SRI required in terms of insulation value.
- E.g. If we have roof with SRI value of 100; demands instead of Roof with R value of 14 what value of R can be reduced?
- Lack of proper access to the testing equipments to maintain the onsite quality.

Challenges

- Lack of testing facility for mfg. in process testing of per batch for keeping consistent quality – For e.g.. SRI value – batch wise testing becomes difficult to be done, due to cost factor & not having NABL accredited lab.
- Not having proper access to the technology We having research & product development department in house; challenge -product updating & development.
- Govt policies Taxation for interstate transfer of goods etc
- Training the applicators for proper approach towards application avoid dilution, maintain DFT.

Strategy adopted to face the challenges till now

- We first focused the IGBC segment.
- Became member of IGBC, IIID, VCCI, FGI and many other relevant organizations.
- Bring innovation from the problems of the customers.
- Tried to get recognition in short duration Won "Power of Idea Awards".
- Achieved "Innovative & Significant Alumni of the Year" Award.
- Tried to adopt green approach All our products are water based "Eco friendly"!
- Product updating to give consistent & improved quality with in house research & product development cell.
- Certified products with International Standards Technically strong.



Proposal to Combat Challenges

- Developing an Chapter of Cool Roof Association there in India .
- Promote Cool Roof organizing promotional & awareness programs in association with other groups e.g. IGBC, CII, IIID, FGI, FICCI.
- If these organizations are met under banner of Cool Roof Association, more privilege is being given.
- Media coverage making shout of Cool Roofs
- Awareness crested at every level schools / in professionals
- Testing facility affordable & easily accessible.
- Technology access to develop product for better performance
- Taxation structure modified / reduced .
- Conversion of R value in SRI value using the software support giving online calculator.

Combating challenges

- Subsidy
- Associate with Solar panel group & encourage its use with Solar panel s
- Global Cool Cities implemented or endorse the bigger projects.
- Associate with banks for easy access to Loan facility, with less interest rates, credit cards, small e m i payment if people install Cool Roofs.
- Carbon credit linkage for incentives .
- Channel marketing of females
- Promoting Global Cool Cities
- Endorsing the group projects by some prestigious certification or some other mode – the valuation of the project is increased or prestige of the project is increased.
- Programs with Schools , institutes involvement.



"The journey so far has helped us more focused, determined, balanced and self-reliant. There is still a lot to achieve & develop, I believe this is just the start!"

So ... We need to keep going with determination , focus , patience & strong commitment with ourselves!

Treatment that pays for itself Our products help you make your buildings – Roofs

- Green
- Cool Without AC
- Damp Free Leakage & Seepage
 Free
- Moss & Algae Free
- Dust Free
- VOC free
- Bright interiors to decrease lighting load
- Extended Construction life



Make Your Buildings Energy Efficient with Greener Approach!

We have much more to achieve & a greater world to explore making India a Mark on Globe, but we will never waiver from our pledge to be ethical & honest with sincere efforts towards all our stake holders

Inspire ourselves to innovate, evolve & Excels continuously, enabling us to always make a positive difference in someone's life everyday.

We seek our wishes to continue to ---





Panache Green Tech Solutions Pvt Ltd Revolutionize Energy Savings!

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